





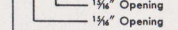
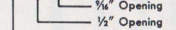
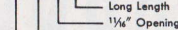
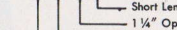
# **CORNWELL QUALITY TOOLS**

**Catalog A-56**

**The Cornwell Quality Tools Co.**  
**Mogadore, Ohio**  
(Suburb of Akron)

Printed in U. S. A.

# CORNWELL NUMBERING SYSTEM

Prefix Letters	WRENCHES			Opening Sizes	Suffix Letters
<b>AW</b> —Angle Wrench <b>BW</b> —Box Wrench—Double Hex <b>BWS</b> —Box Wrench—Single Hex <b>CW</b> —Combination Wr.—Double Hex <b>CWS</b> —Combination Wr.—Single Hex	<b>CWF</b> —Comb. Wr.—Flare Nut <b>CWO</b> —Comb. Wr.—Offset <b>EW</b> —End Wrench <b>IW</b> —Ignition Wrench	<b>OW</b> —Obstruction Wrench <b>SW</b> —Special Wrench <b>TW</b> —Tappet Wr.—Double End <b>TWS</b> —Tappet Wr.—Single End	Given in 32'nds. <b>Examples</b> 10 = $\frac{1}{2}$ " = $\frac{3}{8}$ " 18 = $\frac{1}{2}$ " = $\frac{3}{8}$ " 34 = $\frac{3}{4}$ " = $\frac{1}{2}$ "	<b>S</b> —Short Length <b>I</b> —Intermediate Length <b>L</b> —Long Length	
<b>AW-30 30</b> 	<b>BWS-16 18</b> 	<b>CW-22 22 L</b> 	<b>EW-36 40 S</b> 		

## SOCKETS

Prefix Letters	1st Digit—Drive Size	2nd Digit—Type Op'g	Final Digits—Op'g Size	Suffix Letters
<b>I</b> —Impact Socket <b>P</b> —Power Socket <b>T</b> —Thin Wall <b>EL</b> —"Elbow" Oil Line Socket	<b>0</b> — $\frac{1}{4}$ " <b>1</b> — $\frac{3}{8}$ " <b>2</b> — $\frac{1}{2}$ " <b>3</b> — $\frac{1}{2}$ " <b>4</b> — $\frac{3}{4}$ "	<b>5</b> — $\frac{3}{4}$ " <b>6</b> —1" <b>7</b> —1 $\frac{1}{4}$ " <b>8</b> —1 $\frac{1}{2}$ " <b>9</b> —2 $\frac{1}{2}$ "	<b>1</b> —Double Hex—12 Point <b>2</b> —Single Hex—6 Point <b>3</b> —Double Square—8 Point <b>4</b> —Single Square—4 Point	Given in 32'nds. <b>Examples:</b> 20 = $\frac{7}{16}$ " = $\frac{3}{8}$ " 32 = $\frac{1}{2}$ " = 1" 40 = $\frac{5}{8}$ " = 1 $\frac{1}{4}$ "
<b>T-3 1 28</b> 	<b>4-2 2 42</b> 	<b>EL-2 24</b> 	<b>P-2 2 20 L</b> 	

## ATTACHMENTS

Prefix Letters	1st Digit—Drive Size	Examples
<b>A</b> —Adaptor <b>AP</b> —Power Adaptor <b>D</b> —Driver or Shank <b>DL</b> —Drag Link <b>E</b> —Extension	<b>EP</b> —Power Extension <b>U</b> —Universal Socket <b>UB</b> —Power Univ. Socket <b>UBJ</b> —Power Univ. Joint <b>UJ</b> —Universal Joint	<b>0</b> — $\frac{1}{4}$ " <b>1</b> — $\frac{3}{8}$ " <b>2</b> — $\frac{1}{2}$ " <b>3</b> — $\frac{1}{2}$ " <b>4</b> — $\frac{3}{4}$ " <b>5</b> — $\frac{3}{4}$ " <b>6</b> —1" <b>7</b> —1 $\frac{1}{4}$ " <b>8</b> —1 $\frac{1}{2}$ " <b>9</b> —2 $\frac{1}{2}$ "
<b>D-3 20-5</b> 	<b>E-6-16</b> 	<b>A-3 5</b> 
	<b>U-2 1 12</b> 	<b>AP-8 6</b> 
	<b>UJ-0</b> 	

## HANDLES

Prefix Letters	1st Digit—Drive Size	Final Digit(s)	Suffix Letters	Example
<b>HF</b> —Flex (Hinged) Handle <b>HN</b> —Spin Handle <b>HS</b> —Speed Handle <b>HST</b> —Sliding "T" Handle <b>HTU</b> —Universal "T" Handle	<b>0</b> — $\frac{1}{4}$ " <b>1</b> — $\frac{3}{8}$ " <b>2</b> — $\frac{3}{8}$ " <b>3</b> — $\frac{1}{2}$ " <b>4</b> — $\frac{3}{4}$ "	Length of Handle, Given in Inches <b>Example:</b> 24 = 24 inches	<b>N</b> —Pin Lock (Industrial) <b>P</b> —Plastic Handle	<b>HF-3 18</b> 
<b>HN-0 2 P N</b> 	<b>HS-2 17</b> 	<b>HST-6 30</b> 	<b>HTU-2 18</b> 	

Prefix Letters	SCREW DRIVERS	1st Digit(s)	Final Digits
<b>AB</b> —Allen Bit—Hollow Hex Screws <b>CD</b> —Clutch Screw Driver <b>HW</b> —Hex Wrench—Hollow Hex Screws <b>PD</b> —Phillips Screw Driver <b>PDO</b> —Phillips Driver—Offset <b>PS</b> —Sockets for Bits	<b>PSS</b> —Screw Starter—Slotted Screws <b>RP</b> —Frearson—Reed Prince—Screw Driver <b>RSD</b> —Round Shank Screw Driver—Slotted Screws <b>SDO</b> —Offset Screw Driver—Slotted Screws <b>SDU</b> —Utility Screw Driver—Slotted Screws <b>SSD</b> —Square Shank Screw Driver—Slotted Screws	Shank Size in 32'nds or Point Size. <b>Examples:</b> <b>8</b> = $\frac{7}{16}$ " = $\frac{1}{4}$ " <b>12</b> = $\frac{1}{2}$ " = $\frac{3}{8}$ " <b>2</b> = #2 Point	Length of Blade from Handle. <b>Examples:</b> 04—4" Blade Length 10—10" Blade Length 25—25" Blade Length
<b>AB-12</b> 	<b>PD-2 04 P</b> 	<b>RSD-10 06 P</b> 	<b>SSD-12 12</b> 

# Foreword

The reputation of Cornwell Tools for quality and dependability has been gained through years of strict adherence to high standard of manufacturing and to a code of fair dealing. This policy has made Cornwell a great name in the service tools industry — the name Cornwell is the standard by which all other tools are judged.

## **GUARANTEE**

CORNWELL QUALITY TOOLS are built to meet the most exacting requirements of the professional mechanic. They are the product of a Company who is the originator of the highest quality tools ever offered the mechanic. This enviable position and reputation is still maintained.

Cornwell Tools are guaranteed to be free from defects in materials or workmanship — but not against wear or breakage due to misuse. Tools which are found defective in material or workmanship will be repaired or replaced without charge.

Tools which have failed because of wear or abuse, tools which have been altered or repaired by others and tools which have been misused — whether intentional or unintentional — are not covered by this guarantee.

Starred items (indicated by \* symbol before the part number) cannot be subject to replacement due to the unusual application for which they are designed.

Power and Impact sockets are listed in this catalog and are designed specifically for power equipment. Standard thin wall sockets are not intended for such use.

# Coast-to-Coast CORNWELL TOOL SERVICE

Prompt delivery can be made on all orders from complete tool stocks warehoused by our many Distributors from coast to coast. Consult your nearest Cornwell distributor on your tool problems—he is a trained tool engineer.

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St. Louis 8, Mo.  
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2901 Jefferson Highway  
New Orleans 21, Louisiana  
(Phone) VERnon 5-6213

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Leesburg, Florida  
(Phone) 6140 Red

J. R. Schuster Tool Co.  
2125 South 47th St.  
Omaha, Nebraska  
(Phone) REgent 1264

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The Cornwell Tools Company  
2428 Elmwood Avenue  
Buffalo 17, N. Y.  
(Phone) BEdford 9675

Richard T. Bach  
403 East 187th Street  
New York 58, N. Y.  
(Phone) SEdgbick 3-1745

## **NORTH CAROLINA**

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High Point, N. C.  
(Phone) 5989

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Cornwell Quality Tools Co.  
Mogadore, Ohio  
(Phone) MAYfair 8-2626  
(Akron Exchange)

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Hall Tool Company  
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Portland 14, Oregon  
(Phone) BElmont 6-4111

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(Phone) PILgrim 5-0533

(Industrial)

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Philadelphia 41, Pa.  
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MIchigan 4-3492

Cornwell Quality Tools  
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Pittsburgh 34, Pa.  
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(Phone) 1441

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(Phone) FAirfax 3-4479

Wm. H. Horsey  
3112 Fadal Avenue  
Waco, Texas  
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## **WISCONSIN**

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Milwaukee 8, Wisconsin  
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## **ALASKA DISTRIBUTORS**

Automotive Parts & Equip.  
Co., Inc.  
300 East 5th Avenue  
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(Phone) 35101

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Automotive Tools & Equip-  
ment Supply  
1127 N. School Street  
Honolulu 17, Hawaii  
(Phone) 845275

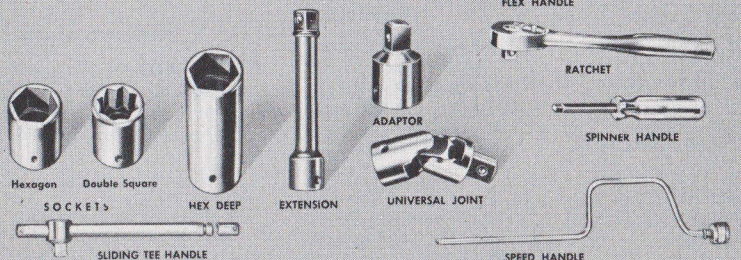
## **CANADIAN DISTRIBUTORS**

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Toronto 2, Ontario, Canada  
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## **EXPORT DIVISION**

Mogadore, Ohio  
(Phone) MAYfair 8-2626  
(Akron Exchange)

# 1/4" Square Drive SOCKETS & ATTACHMENTS



Cornwell "Tiny" tools have long been noted for extreme accuracy and their ability to help you get the job done better, faster and for less. Fine alloy steels, hot forged, carefully machined and properly heat treated are finished in gleaming nickel and chrome.

## REGULAR LENGTH HEX AND DOUBLE HEX SOCKETS

Tool No. Dbl. Hex	Tool No. Hex	Opg. Size	Length	Weight 10 Pcs.
.....	T-0206	3/16"	1 5/16"	0.3
.....	T-0207	7/32"	1 5/16"	0.3
.....	T-0208	1/4"	1 5/16"	0.3
.....	T-0209	9/32"	1 5/16"	0.3
T-0110	T-0210	5/16"	1 5/16"	0.3
.....	T-0211	11/32"	1 5/16"	0.3
T-0112	T-0212	3/8"	1 5/16"	0.3
T-0114	T-0214	7/16"	1 5/16"	0.4
.....	T-0216	1/2"	1 5/16"	0.5

## DEEP LENGTH HEXAGON SOCKETS

Tool No. Hex	Opg. Size	Length	Weight 10 Pcs.
T-0206L	3/16"	2"	0.8
T-0207L	7/32"	2"	0.8
T-0208L	1/4"	2"	0.8
T-0209L	9/32"	2"	0.8
T-0210L	5/16"	2"	0.8
T-0211L	11/32"	2"	0.8
T-0212L	3/8"	2"	0.8
T-0214L	7/16"	2"	1.0
T-0216L	1/2"	2"	1.0

## REGULAR LENGTH DOUBLE SQUARE SOCKETS

Tool No. Dbl. Sq.	Tool No. Square	Opg. Size	Length	Weight 10 Pcs.
T-0306	.....	3/16"	1 5/16"	0.3
T-0308	.....	1/4"	1 5/16"	0.3
.....	T-0409	9/32"	1 5/16"	0.3
T-0310	.....	5/16"	1 5/16"	0.4
T-0311	.....	11/32"	1 5/16"	0.5
T-0312	.....	3/8"	1 5/16"	0.5
T-0314	.....	7/16"	1 5/16"	0.8

## UNIVERSAL JOINT

Tool No.	Drive Size	Overall Length	Weight 10 Pcs.
UJ-0	1/4"	1 5/16"	0.6

## REVERSIBLE RATCHET

Tool No.	Drive Size	Overall Length	Weight 10 Pcs.
TR-3	1/4"	5"	2.5

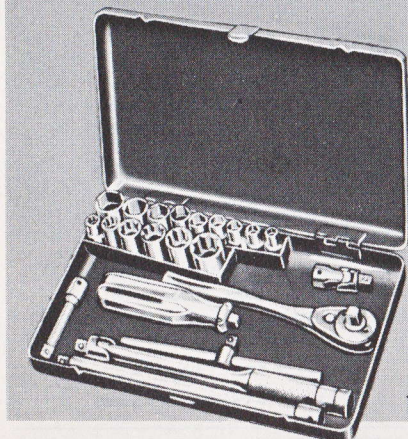
## SPEED HANDLE

Tool No.	Shank Length	Overall Length	Weight 10 Pcs.
HS-016	8 1/4"	16"	6.5

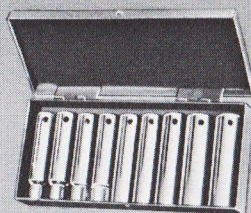
## FLEX HANDLE

Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
HF-05	1/4"	5 1/2"	1.9

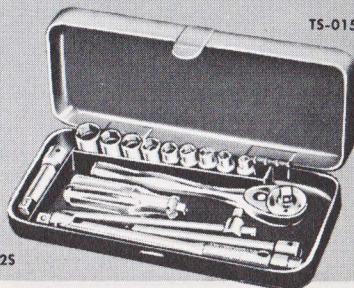
## 1/4" Square Drive SETS & ATTACHMENTS



TS-0225



SK-0291LS



TS-0155

### SLIDING TEE HANDLE

Tool No.	Stock Size	Length	Weight 10 Pcs.
HST-04	1/4"	4 1/2"	0.8

### SPINNER HANDLES

Tool No.	Shank Length	Handle	Weight 10 Pcs.
HN-01P	3/8"	Pyrolin	1.3
HN-02P	2"	Pyrolin	1.4
HN-03	3"	Wood	1.6

### ADAPTOR

Tool No.	Drive Sizes	Length	Weight 10 Pcs.
A-02	1/4" Female x 3/8" Male	1 1/8"	0.4

### EXTENSIONS

Tool No.	Drive Sizes	Length	Weight 10 Pcs.
E-0-2	1/4" Female x 1/4" Male	2"	0.5
E-0-4	1/4" Female x 1/4" Male	4"	0.9
E-0-6	1/4" Female x 1/4" Male	6"	1.3

Carefully selected Socket and Tool Sets in neat, well fitted metal boxes help make the most difficult jobs seem easy. Men working with Ignitions, Carbureters, Business Machines and Small Motors will find the indispensable set listed below.

#### SK-0291LS SET — 9 SOCKETS

##### Deep Length — 6 Point 3/16" to 1/2"

Consisting of: T-0206L, 3/16"; T-0207L, 7/32"; T-0208L, 1/4"; T-0209L, 5/32"; T-0210L, 3/16"; T-0211L, 11/32"; T-0212L, 3/8"; T-0214L, 7/16"; T-0216L, 1/2" in SK-0291LB Box.

SK-0291L Sockets only.

SK-0291LB Box only.

Weight 10 Sets, 8.5 pounds

#### TS-0155 SET — 15 TOOLS

##### (Socket Sizes 3/16" to 1/2")

Consisting of: Sockets, T-0206, 3/16"; T-0207, 7/32"; T-0208, 1/4"; T-0209, 5/32"; T-0210, 3/16"; T-0211, 11/32"; T-0212, 3/8"; T-0214, 7/16"; T-0216, 1/2"; Handles, TR-3, HF-05, HST-04, HN-01P; Attachments, E-0-2, E-0-4 in TS-0155B Box.

TS-015 Tools only.

TS-0155B Box only.

Weight 10 Sets, 12 pounds

#### TS-0225 SET — 22 TOOLS

##### (Socket Sizes 3/16" to 1/2")

Consisting of: 6 Pt. Sockets, T-0206, 3/16"; T-0207, 7/32"; T-0208, 1/4"; T-0209, 5/32"; T-0210, 3/16"; T-0211, 11/32"; T-0212, 3/8"; T-0214, 7/16"; T-0216, 1/2"; 8 Pt. Sockets, T-0306, 3/16"; T-0308, 1/4"; T-0310, 3/8"; T-0311, 11/32"; T-0312, 3/8"; T-0314, 7/16"; Handles, TR-3, HF-05, HN-01P, HST-04; Attachments, E-0-2, E-0-6, UJ-0 in TS-0225B Box.

TS-022 Tools only.

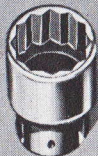
TS-0225B Box only.

Weight 10 Sets, 16.5 pounds

## 3/8" Square Drive SOCKETS



Hexagon



Double Hex

REGULAR LENGTH



Hexagon



Double Hex

DEEP LENGTH



OIL LINE FITTING

Only the finest Alloy Steel is used in the manufacture of these clean, accurate hot broached sockets. The well defined and full formed openings produce greater life and better gripping power because they are held to closer tolerance. Fully polished and chrome plated to a lustrous finish.

### REGULAR LENGTH

#### Hex and Double Hex Sockets

Tool No. Dbl. Hex	Tool No. Hex	Opp. Size	Length	Weight 10 Pcs.
.....	T-2208	1/4"	1 3/16"	0.5
.....	T-2210	5/16"	1 3/16"	0.5
T-2112	T-2212	3/8"	1 3/16"	0.5
T-2114	T-2214	7/16"	1 3/16"	0.5
T-2116	T-2216	1/2"	1 3/16"	0.5
T-2118	T-2218	9/16"	1 3/16"	0.6
T-2120	T-2220	5/8"	1 3/16"	0.6
T-2122	T-2222	11/16"	1 1/8"	1.0
T-2124	T-2224	3/4"	1 1/8"	1.0
T-2126	T-2226	13/16"	1 1/8"	1.0
T-2128	T-2228	7/8"	1 1/8"	1.5
T-2130	T-2230	15/16"	1 3/16"	1.9
T-2132	T-2232	1"	1 1/4"	2.1-

### DOUBLE SQUARE SOCKETS

Double Square Sockets in regular length and Double Square Sockets in deep length may be found on page 35.

### DEEP LENGTH

#### Hex and Double Hex Sockets

Tool No. Dbl. Hex	Tool No. Hex	Opp. Size	Length	Weight 10 Pcs.
T-2112L	T-2212L	3/8"	1 3/4"	1.0
T-2114L	T-2214L	7/16"	1 3/4"	1.0
T-2116L	T-2216L	1/2"	1 3/4"	1.2
T-2118L	T-2218L	9/16"	2 3/4"	1.8
T-2120L	T-2220L	5/8"	2 3/4"	1.9
T-2122L	T-2222L	11/16"	2 3/4"	2.3
T-2124L	T-2224L	3/4"	2 3/4"	2.6
T-2126L	T-2226L	13/16"	2 3/4"	3.0
T-2128L	T-2228L	7/8"	2 3/4"	4.0
T-2130L	T-2230L	15/16"	2 3/4"	5.0
T-2132L	T-2232L	1"	2 3/4"	5.5

### ELBOW SOCKETS

#### For Oil Line Fittings

Tool No.	Opening Size	Tubing Size	Weight 10 Pcs.
EL-214	7/16"	3/16"	1.0
EL-216	1/2"	1/4"	1.1
EL-218	9/16"	3/16"	1.5
EL-220	5/8"	3/8"	1.8
EL-222	11/16"	1/2"	2.3
EL-224	3/4"	5/16"	3.0
EL-227	27/32"	11/16"	4.0

## $\frac{3}{8}$ " Square Drive ATTACHMENTS



DRAG LINK



Socket



Joint

UNIVERSALS



ADAPTOR



EXTENSION

### UNIVERSAL SOCKETS

The patented "Stay-put" feature embodies spring tension within the construction of these Universals and holds the socket end in any required position. Cornwell Universals have been copied but never equalled in strength and ability to get the tough jobs done better and in less time. Accurately broached and carefully machined for closer fits and longer life.

Tool No. Dbl. Hex	Tool No. Hex	Opg. Size	Overall Length	Weight 10 Pcs.
U-2112	U-2212	$\frac{3}{8}$ "	$1\frac{1}{32}$ "	1.0
U-2114	U-2214	$\frac{7}{16}$ "	$1\frac{1}{32}$ "	1.0
U-2116	U-2216	$\frac{1}{2}$ "	$1\frac{1}{16}$ "	1.0
U-2118	U-2218	$\frac{9}{16}$ "	$1\frac{1}{16}$ "	1.1
U-2120	U-2220	$\frac{5}{8}$ "	$1\frac{3}{16}$ "	1.4
U-2122	U-2222	$1\frac{1}{16}$ "	$1\frac{7}{32}$ "	1.5
U-2124	U-2224	$\frac{3}{4}$ "	$1\frac{7}{32}$ "	1.6

### UNIVERSAL JOINT

The Universal Joint is probably the most versatile and useful tool that can be included in your set. Extremely compact for tight places. Set the angle where you want it and reach into those hard-to-get-at nuts and bolts with the help of Cornwell patented "Stay-put" action.

Tool No.	Drive Size	Overall Length	Weight 10 Pcs.
UJ-2	$\frac{3}{8}$ "	$1\frac{7}{8}$ "	1.0

### DRAG LINK

Designed for adjustment of tie rods, shock absorbers, drag links and tightening large screws.

Tool No.	Width	Length	Weight 10 Pcs.
DL-21	$1\frac{1}{16}$ "	$1\frac{3}{8}$ "	1.0

### ADAPTORS

For interchange of  $\frac{3}{8}$ " handles with sockets of another drive size.

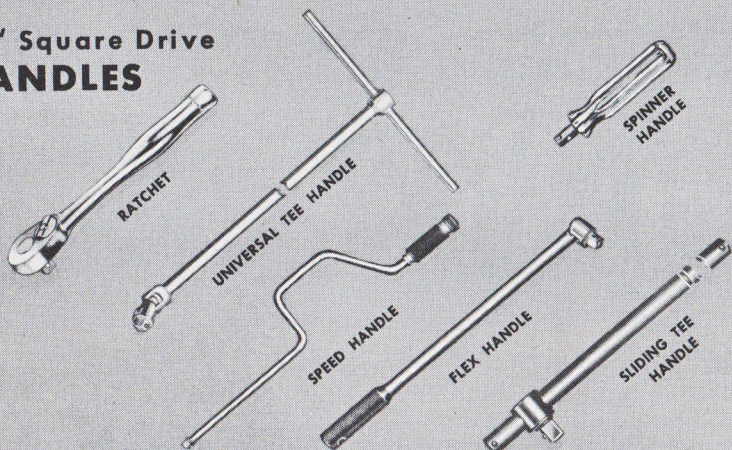
Tool No.	Drive Sizes	Length	Weight 10 Pcs.
A-20	$\frac{3}{8}$ " Female x $\frac{1}{4}$ " Male	$1\frac{3}{32}$ "	0.5
A-21	$\frac{3}{8}$ " Female x $\frac{3}{32}$ " Male	$1\frac{3}{32}$ "	0.5
A-23	$\frac{3}{8}$ " Female x $\frac{1}{2}$ " Male	$1\frac{3}{8}$ "	1.0

### EXTENSIONS

Male and female ends of Cornwell extensions are hot forged in one piece on solid bars for utmost strength and rigidity. Available in seven lengths to meet all requirements.

Tool No.	Drive Sizes	Overall Length	Weight 10 Pcs.
E-2-2	$\frac{3}{8}$ " Female x $\frac{3}{8}$ " Male	$1\frac{1}{2}$ "	0.8
E-2-3	$\frac{3}{8}$ " Female x $\frac{3}{8}$ " Male	3"	1.4
E-2-6	$\frac{3}{8}$ " Female x $\frac{3}{8}$ " Male	6"	2.5
E-2-9	$\frac{3}{8}$ " Female x $\frac{3}{8}$ " Male	9"	3.8
E-2-12	$\frac{3}{8}$ " Female x $\frac{3}{8}$ " Male	12"	5.0
E-2-18	$\frac{3}{8}$ " Female x $\frac{3}{8}$ " Male	18"	7.8
E-2-24	$\frac{3}{8}$ " Female x $\frac{3}{8}$ " Male	24"	10.3

## 3/8" Square Drive HANDLES



### RATCHET

The neat and rugged design contains only three moving parts for maximum efficiency and minimum wear. Years of experience and excellent design have been combined to make the safest and most dependable Ratchet available.

Tool No.	Square Drive	Length	Weight 10 Pcs.
JR-30	3/8"	7"	6.8

### UNIVERSAL TEE HANDLES

Universal "T" Handles are equipped with 3/8" Male square drive and can be used with any 3/8" square drive socket. This makes a Universal "T" Wrench of a thousand uses.

Tool No.	Square Drive	Length	Weight 10 Pcs.
HTU-218	3/8"	18"	9.1

### FLEX HANDLE

A friction ball in the head and notched location detents in the handle allow pre-setting the head in any desired position. This tool may also be used as an extension because of the male and female square drives provided.

Tool No.	Square Drive	Stock Size Length	Weight 10 Pcs.
HF-29	3/8"	7/16" x 7"	6.3

### SPEED HANDLES

The square drive ends are hot forged in one piece from the solid bar making these handles the strongest, most rigid available.

Tool No.	Square Drive	Shank Length	Overall Length	Weight 10 Pcs.
HS-217	3/8"	9"	17"	12.0
HS-226	3/8"	18"	26"	16.0
HS-234	3/8"	26"	34"	21.0

### SLIDING BAR TEE HANDLE

Friction ball in the head holds the handle at any given point. The bar has a center groove for quick balance when used for spinning.

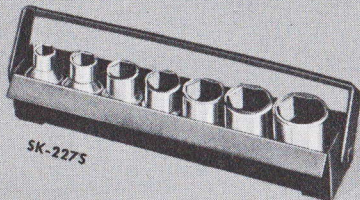
Tool No.	Square Drive	Stock Size	Length	Weight 10 Pcs.
HST-27	3/8"	7/16"	8"	6.3

### SPINNER HANDLE

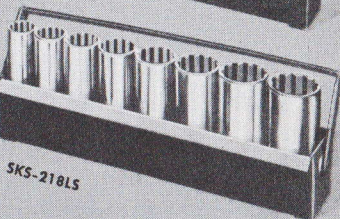
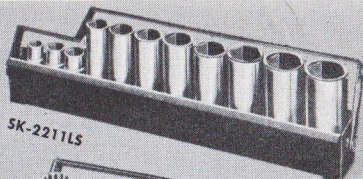
Very popular and useful handle for inaccessible light work. Available with pyrolin handles.

Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
HN-21P	3/8"	6"	3.7

## 3/8" Square Drive SOCKET SETS



Socket Sets in 3/8" Square Drive are probably the most universally accepted by all mechanics. Light weight and rugged for hard daily use.



### SK-2175 SET — 7 SOCKETS

#### Regular Length — 12 Point 3/8" to 3/4"

Consisting of: T-2112, 3/8"; T-2114, 7/16"; T-2116, 1/2"; T-2118, 9/16"; T-2120, 5/8"; T-2122, 11/16"; T-2124, 3/4" in SK-2175 Tray.

SK-2175 Sockets only.

SK-2175 Tray only.

Weight 10 Sets, 5.3 pounds

### SK-2275 SET — 7 SOCKETS

#### Regular Length — 6 Point 3/8" to 3/4"

Consisting of same Sockets in SK-2175 Set except 6 Point in SK-2275 Tray.

SK-2275 Sockets only.

SK-2275 Tray only.

Weight 10 Sets, 5.3 pounds

### SK-2113S SET — 13 SOCKETS

#### Regular Length — 6 and 12 Point 1/4" to 1"

Consisting of: T-2208, 1/4"; T-2210, 3/8"; T-2112, 3/8"; T-2114, 7/16"; T-2116, 1/2"; T-2118, 9/16"; T-2120, 5/8"; T-2122, 11/16"; T-2124, 3/4"; T-2126, 13/16"; T-2128, 7/8"; T-2130, 15/16"; T-2132, 1" in SK-2113S Tray.

SK-2113 Sockets only.

SK-2113S Tray only.

Weight 10 Sets, 13.0 pounds

### SK-2213S SET — 13 SOCKETS

#### Regular Length — 6 Point 1/4" to 1"

Consisting of same Sockets in SK-2113S Set except 6 Point in SK-2213S Tray.

SK-2213 Sockets only.

SK-2213S Tray only.

Weight 10 Sets, 13.0 pounds

### SKS-218LS SET — 8 SOCKETS

#### Deep (Spark Plug) — 12 Point 1/8" to 1"

Consisting of: T-2118L, 1/8"; T-2120L, 3/8"; T-2122L, 11/16"; T-2124L, 3/4"; T-2126L, 13/16"; T-2128L, 7/8"; T-2130L, 15/16"; T-2132L, 1" in SKS-218LS Tray.

SKS-218L Sockets only.

SKS-218LT Tray only.

Weight 10 Sets, 27.0 pounds

### SKS-228LS SET — 8 SOCKETS

#### Deep (Spark Plug) — 6 Point 1/8" to 1"

Consisting of same Sockets in SKS-218LS Set except 6 Point in SKS-228LT Tray.

SKS-228L Sockets only.

SKS-228LT Tray only.

Weight 10 Sets, 27.0 pounds

### SK-218LS SET — 8 SOCKETS

#### Deep Length — 12 Point 3/8" to 13/16"

Consisting of: T-2112L, 3/8"; T-2114L, 7/16"; T-2116L, 1/2"; T-2118L, 9/16"; T-2120L, 5/8"; T-2122L, 11/16"; T-2124L, 3/4"; T-2126L, 13/16" in SK-218LT Tray.

SK-218L Sockets only.

SK-218LT Tray only.

Weight 10 Sets, 15.5 pounds

### SK-228LS SET — 8 SOCKETS

#### Deep Length — 6 Point 3/8" to 13/16"

Consisting of same Sockets in SK-218LS Set except 6 Point in SK-228LT Tray.

SK-228L Sockets only.

SK-228LT Tray only.

Weight 10 Sets, 15.5 pounds

### SK-2111LS SET — 11 SOCKETS

#### Deep Length — 12 Point 3/8" to 1"

Consisting of: T-2112L, 3/8"; T-2114L, 7/16"; T-2116L, 1/2"; T-2118L, 9/16"; T-2120L, 5/8"; T-2122L, 11/16"; T-2124L, 3/4"; T-2126L, 13/16"; T-2128L, 7/8"; T-2130L, 15/16"; T-2132L, 1" in SK-2111LT Tray.

SK-2111L Sockets only.

SK-2111LT Tray only.

Weight 10 Sets, 31.0 pounds

### SK-2211LS SET — 11 SOCKETS

#### Deep Length — 6 Point 3/8" to 1"

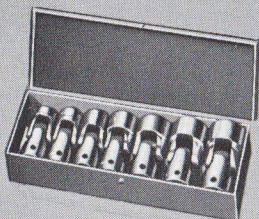
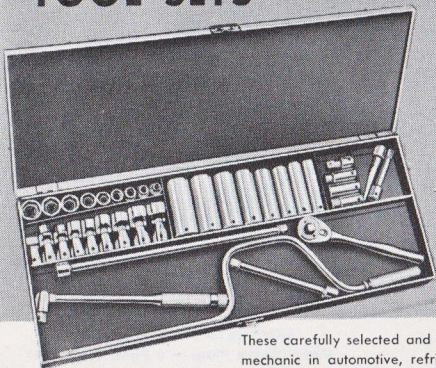
Consisting of same Sockets in SK-2111LS Set except 6 Point in SK-2211LT Tray.

SK-2211L Sockets only.

SK-2211LT Tray only.

Weight 10 Sets, 31.0 pounds

## 3/8" Square Drive TOOL SETS



SKU-2175

TS-237S

These carefully selected and matched tool sets encompass the requirements of every mechanic in automotive, refrigeration, aviation and other service fields. All Cornwell tools are precision built and properly heat treated from the finest alloy steels obtainable.

## SKU-217S SET — 7 UNIVERSALS

**12 Point  $\frac{3}{8}$ " to  $\frac{3}{4}$ "**

Consisting of: U-2112,  $\frac{3}{8}$ "; U-2114,  $\frac{7}{16}$ "; U-2116,  $\frac{1}{2}$ ";  
U-2118,  $\frac{9}{16}$ "; U-2120,  $\frac{5}{8}$ "; U-2122,  $1\frac{1}{16}$ "; U-2124,  $\frac{3}{4}$ ";  
in SKU-217B Box.

SKU-217 Universals only.

**SKU-217B** Box only.

Weight 10 Sets, 10 pounds

## SKU-227S SET — 7 UNIVERSALS

**6 Point  $\frac{3}{8}$ " to  $\frac{3}{4}$ "**

Consisting of: U-2212,  $\frac{3}{8}$ "; U-2214,  $\frac{7}{16}$ "; U-2216,  $\frac{1}{2}$ ";  
U-2218,  $\frac{9}{16}$ "; U-2220,  $\frac{5}{8}$ "; U-2222,  $1\frac{1}{16}$ "; U-2224,  $\frac{3}{4}$ "  
in SKU-227B Box.

SKU-227 Universals only.

SKU-227B Box only.

Weight 10 Sets, 10 pounds

**TS-212S SET — 12 TOOLS**

**Socket Sizes  $\frac{3}{8}$ " to  $\frac{3}{4}$ "**

Consisting of: Sockets, T-2112,  $\frac{3}{8}$ "; T-2114,  $\frac{7}{16}$ "; T-2116,  $\frac{1}{2}$ "; T-2118,  $\frac{9}{16}$ "; T-2120,  $\frac{5}{8}$ "; T-2122,  $1\frac{1}{16}$ "; T-2124,  $\frac{3}{4}$ "; Handles, JR-30, HS-217, HF-29; Attachments, E-2-3, E-2-9 in TS-212B Box.

TS-212 Tools only.

**TS-212B** Box only.

Weight 10 Sets, 38 pounds

**TS-218S SET — 18 TOOLS**

**Socket Sizes 1/4" to 3/4"**

Consisting of: Sockets, T-2208, 1/4"; T-2210, 5/16"; T-2112, 3/8"; T-2114, 7/16"; T-2116, 1/2"; T-2118, 9/16"; T-2120, 5/8"; T-2122, 1 1/16"; T-2124, 3/4"; Handles, JR-30, HS-217, HF-29; Attachments, E-2-2, E-2-3, E-2-6, E-2-12, UJ-2, SD-252 in TS-2188 Box.

TS-218 Tools only.

TS-218B Box only.

Weight 10 Sets, 45 pounds

**TS-226S SET — 26 TOOLS**

**Socket Sizes 1/4" to 3/4"**

Consisting of: Sockets, T-2208, 1/4", T-2210, 3/16"; T-2112, 3/8"; T-2114, 7/16"; T-2116, 1/2"; T-2118, 9/16"; T-2120, 5/8"; T-2122, 11/16"; T-2124, 3/4"; Universals, UJ-2, U-2112, 3/8"; U-2114, 7/16"; U-2116, 1/2"; U-2118, 9/16"; U-2120, 5/8"; U-2122, 11/16"; U-2124, 3/4"; Handles, JR-30, HS-217, HF-29; Attachments, E-2-2, E-2-3, E-2-6, E-2-12, DL-21, SD-252 in TS-226B Box.

**TS-226** Tools only.

**TS-226B** Box only.

Weight 10 Sets, 54 pounds

**TS-237S SET — 37 TOOLS**

### Socket Sizes 1/4" to 1"

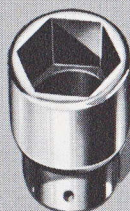
Consisting of: Sockets, T-2208, 1/4"; T-2210, 3/16"; T-2112, 3/8"; T-2114, 7/16"; T-2116, 1/2"; T-2118, 9/16"; T-2120, 3/8"; T-2122, 1/16"; T-2124, 3/4"; T-2212L, 3/8"; T-2214L, 7/16"; T-2216L, 1/2"; T-2218L, 9/16"; T-2220L, 3/8"; T-2222L, 1/16"; T-2224L, 3/4"; T-2226L, 1/16"; T-2228L, 7/8"; T-2230L, 1/16"; T-2232L, 1"; Universals, UJ-2, U-2112, 3/8"; U-2114, 7/16"; U-2116, 1/2"; U-2118, 9/16"; U-2120, 3/8"; U-2122, 1/16"; U-2124, 3/4"; Handles, JR-30, HS-217, HF-29; Attachments, E-2-2, E-2-3, E-2-6, E-2-12, DL-21, SD-252 in TS-237B Box.

**TS-237** Tools only.

**TS-237B** Box only.

Weight 10 Sets, 84 pounds

## 1/2" Square Drive SOCKETS



Hexagon



Double Hex



Hexagon



Double Hex



DRAG LINK

REGULAR LENGTH

DEEP LENGTH

All Cornwell Sockets are hot broached for cleaner, closer openings and greater strength. Proper conditioning of fine alloy steel machined to accurate tolerances, modern heat treating methods and fully polished Nickel and Chrome finish make Cornwell Sockets superior in every detail.

### REGULAR LENGTH

#### Hex and Double Hex Sockets

Tool No. Dbl. Hex	Tool No. Hex	Opg. Size	Length	Weight 10 Pcs.
T-3112	T-3212	3/8"	1 5/16"	1.0
T-3114	T-3214	7/16"	1 5/16"	1.0
T-3116	T-3216	1/2"	1 5/16"	1.0
T-3118	T-3218	9/16"	1 5/16"	1.0
T-3119	.....	1 1/32"	1 5/16"	1.0
T-3120	T-3220	5/8"	1 5/16"	1.0
T-3121	.....	2 1/32"	1 5/16"	1.3
T-3122	T-3222	1 1/16"	1 5/16"	1.5
T-3124	T-3224	3/4"	1 1/2"	1.8
T-3125	.....	2 5/32"	1 1/2"	2.0
T-3126	T-3226	13/16"	1 5/8"	2.5
T-3128	T-3228	7/8"	1 5/8"	2.8
T-3129	.....	2 9/32"	1 5/8"	2.8
T-3130	T-3230	1 1/8"	1 11/16"	2.8
T-3132	T-3232	1"	1 11/16"	3.0
T-3134	T-3234	1 1/8"	1 3/4"	3.8
T-3136	T-3236	1 1/8"	2"	4.5
T-3138	.....	1 3/8"	2"	5.5
T-3140	T-3240	1 1/4"	2"	5.9
T-3142	.....	1 3/8"	2"	6.9

### DEEP LENGTH

#### Hex and Double Hex Sockets

Tool No. Dbl. Hex	Tool No. Hex	Opg. Size	Length	Weight 10 Pcs.
T-3116L	T-3216L	1/2"	3 1/4"	3.0
T-3118L	T-3218L	9/16"	3 1/4"	3.0
T-3120L	T-3220L	5/8"	3 1/4"	3.0
T-3122L	T-3222L	1 1/16"	3 1/4"	3.4
T-3124L	T-3224L	3/4"	3 1/4"	4.0
T-3126L	T-3226L	13/16"	3 1/4"	4.6
T-3128L	T-3228L	7/8"	3 1/2"	5.5
T-3130L	T-3230L	1 5/16"	3 1/2"	5.9
T-3132L	T-3232L	1"	3 1/2"	6.3
T-3134L	T-3234L	1 1/8"	3 1/2"	7.0
T-3136L	T-3236L	1 1/8"	3 1/2"	7.3
T-3140L	T-3240L	1 1/4"	3 1/2"	10.8

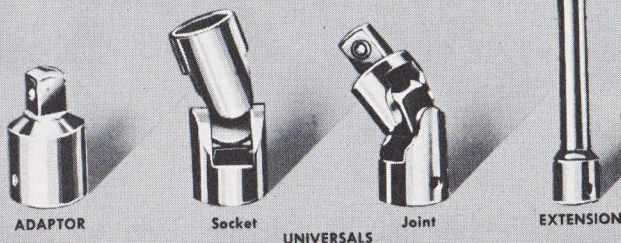
### DRAG LINKS

Tool No.	Blade Width	Blade Thickness	Overall Length	Weight 10 Pcs.
DL-32	1 3/16"	5/32"	1 5/8"	1.3
DL-34	1 3/16"	5/32"	1 11/16"	1.7
DL-36	1 1/8"	5/32"	1 3/4"	2.5
DL-38	1 1/4"	5/32"	1 7/8"	3.8

### SQUARE AND DOUBLE SQUARE SOCKETS

Double Square Sockets in regular length and Square and Double Square Sockets in deep length may be found on page 36.

## 1/2" Square Drive ATTACHMENTS



### ADAPTORS

Interchange 1/2" Handles and Attachments with the other size sockets and accessories in your possession. This is a distinct advantage in many cases where obstructions do not permit using standard equipment. A universally popular tool.

Tool No.	Drive Sizes	Length	Weight 10 Pcs.
A-32	1/2" Female x 3/8" Male	1 1/2"	1.4
A-34	1/2" Female x 3/8" Male	1 1/16"	2.5
A-35	1/2" Female x 3/4" Male	1 3/4"	2.8

### UNIVERSAL SOCKETS

Sturdy and compact Universal Sockets incorporating Cornwell patented "stay-put" feature. These tools can be set in any desired position for easy access into tight places.

Tool No.	Opp. Size	Overall Length	Weight 10 Pcs.
U-3214	7/16"	2 1/16"	1.8
U-3216	1/2"	2 1/16"	1.8
U-3218	9/16"	2 1/8"	1.9
U-3220	5/8"	2 3/16"	2.3
U-3222	1 1/16"	2 3/8"	2.8
U-3224	3/4"	2 3/4"	3.0
U-3226	13/16"	2 13/32"	3.4
U-3228	7/8"	2 7/8"	3.6
U-3230	15/16"	2 5/8"	3.8
U-3232	1"	2 5/8"	3.8

### UNIVERSAL JOINT

An exceptionally useful tool including our patented "stay-put" design. Especially practical for work on head bolts, timing gear covers, starter bolts, etc. Provides clearance for getting into tight places. A set of tools cannot be considered complete without this universal companion.

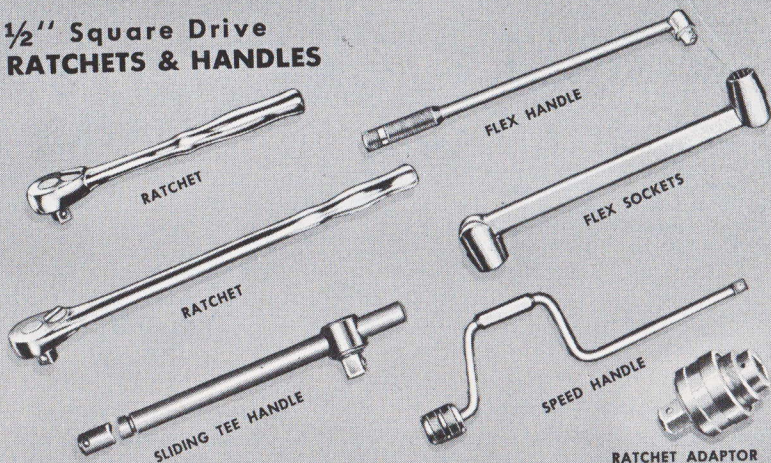
Tool No.	Drive Sizes	Overall Length	Weight 10 Pcs.
UJ-3	1/2" Fem. x 1/2" Male	2 3/8"	3.0

### EXTENSIONS

Forged from the solid bar of finest alloy steel. These one piece extensions are light weight and rugged. A wide range of lengths is offered allowing many combinations of Sockets, Handles and Attachments to be interchanged. A great help toward reaching many nuts and bolts in a fraction of the time previously required.

Tool No.	Drive Sizes	Overall Length	Weight 10 Pcs.
E-3-2	1/2" Fem. x 1/2" Male	2"	2.0
E-3-5	1/2" Fem. x 1/2" Male	5"	4.0
E-3-10	1/2" Fem. x 1/2" Male	10"	7.4
E-3-20	1/2" Fem. x 1/2" Male	20"	17.8
E-3-24	1/2" Fem. x 1/2" Male	24"	21.3
E-3-30	1/2" Fem. x 1/2" Male	30"	26.5
E-3-36	1/2" Fem. x 1/2" Male	36"	31.0

## 1/2" Square Drive RATCHETS & HANDLES



### REVERSIBLE RATCHETS

Cornwell Ratchets are the choice among top-notch mechanics and offer the finest available in design, service and satisfaction.

Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
SR-50	1/2"	9 3/8"	13.0
SR-70	1/2"	15"	19.3

### RATCHET ADAPTOR

A smooth running beauty for speeding work in many applications. Particularly suitable for use with a Torque Wrench.

Tool No.	Square Drives	Outside Diameter	O. A. Length	Weight 10 Pcs.
S-8	1/2"	1 5/8"	2 7/16"	7.5

### DOUBLE END FLEXIBLE SOCKETS

Twelve point sockets directly mounted on each end of a sturdy handle allow access in many places previously inaccessible with standard sockets and handles.

Tool No.	Opening Size	Length	Weight 10 Pcs.
FS-1214	3/8" x 7/16"	7"	2.5
FS-1416	7/16" x 1/2"	7"	2.8
FS-1618	1/2" x 9/16"	7"	3.0
FS-1820	9/16" x 5/8"	7 1/2"	3.3
FS-2224	1 1/16" x 3/4"	10"	5.1

### SLIDING TEE HANDLES

A handle particularly suited for work in close places. The friction ball holds the head at any given point and the center groove in the bar gives quick balance for spinning.

Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
HST-312	1/2"	12"	9.8
HST-316	1/2"	16"	12.5

### FLEX HANDLES

An all-purpose handle having five positive positions. These handles allow working at any angle when breaking loose or spinning off nuts.

Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
HF-312	1/2"	12"	17.0
HF-315	1/2"	15"	19.5
HF-318	1/2"	18"	21.5
* HF-324	1/2"	24"	27.3

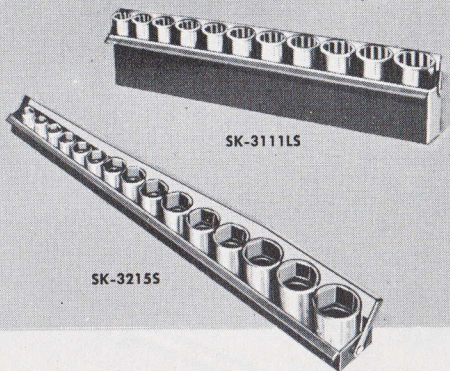
### SPEED HANDLES

The square drive ends of Cornwell Speed Handles are hot forged from the solid bar. This one piece construction from fine Alloy Steel, free from welds, makes these Handles the strongest available.

Tool No.	Square Drive	Shank Length	Overall Length	Weight 10 Pcs.
HS-313	1/2"	5"	13"	17.0
HS-317	1/2"	9"	17"	19.0
HS-328	1/2"	19"	28"	24.0
HS-333	1/2"	24"	33"	28.0

## 1/2" Square Drive SOCKET SETS

The Socket Sets listed below have been carefully selected so that only the important sizes are represented. Sockets which you cannot use have not been included, thereby allowing a wider range of sizes with fewer sockets. Purchase your sockets in a complete set with tray, or as sockets only. You will derive great satisfaction in knowing you possess the finest.



### SK-3113S SET — 13 SOCKETS

#### Regular Length — 12 Point 7/16" to 1 1/16"

Consisting of: T-3114, 7/16"; T-3116, 1/2"; T-3118, 9/16"; T-3119, 1 1/16"; T-3120, 5/8"; T-3122, 1 1/16"; T-3124, 3/4"; T-3125, 25/32"; T-3126, 13/16"; T-3128, 7/8"; T-3130, 1 1/8"; T-3132, 1"; T-3134, 1 1/16" in SK-3113T Tray.

SK-3113S Sockets only.

SK-3113T Tray only.

Weight 10 Sets, 27 pounds

### SK-3115S SET — 15 SOCKETS

#### Regular Length — 12 Point 3/8" to 1 1/4"

Consisting of: T-3112, 3/8"; T-3114, 7/16"; T-3116, 1/2"; T-3118, 9/16"; T-3120, 5/8"; T-3122, 1 1/16"; T-3124, 3/4"; T-3126, 13/16"; T-3128, 7/8"; T-3130, 1 1/8"; T-3132, 1"; T-3134, 1 1/16"; T-3136, 1 1/8"; T-3138, 1 3/8"; T-3140, 1 1/4" in SK-3115T Tray.

SK-3115S Sockets only.

SK-3115T Tray only.

Weight 10 Sets, 41 pounds

### SK-3215S SET — 15 SOCKETS

#### Regular Length — 6 Point 3/8" to 1 1/4"

Consisting of: T-3212, 3/8"; T-3214, 7/16"; T-3216, 1/2"; T-3218, 9/16"; T-3220, 5/8"; T-3222, 1 1/16"; T-3224, 3/4"; T-3226, 13/16"; T-3228, 7/8"; T-3230, 1 1/8"; T-3232, 1"; T-3234, 1 1/16"; T-3236, 1 1/8"; T-3238, 1 3/8"; T-3240, 1 1/4" in SK-3215T Tray.

SK-3215S Sockets only.

SK-3215T Tray only.

Weight 10 Sets, 41 pounds

### SK-3111LS SET — 11 SOCKETS

#### Deep Length — 12 Point 1/2" to 1 1/8"

Consisting of: T-3116L, 1/2"; T-3118L, 9/16"; T-3120L, 5/8"; T-3122L, 1 1/16"; T-3124L, 3/4"; T-3126L, 13/16"; T-3128L, 7/8"; T-3130L, 1 1/8"; T-3132L, 1"; T-3134L, 1 1/16"; T-3136L, 1 1/8" in SK-3111LT Tray.

SK-3111LS Sockets only.

SK-3111LT Tray only.

Weight 10 Sets, 55 pounds

### SK-3211LS SET — 11 SOCKETS

#### Deep Length — 6 Point 1/2" to 1 1/8"

Consisting of: T-3216L, 1/2"; T-3218L, 9/16"; T-3220L, 5/8"; T-3222L, 1 1/16"; T-3224L, 3/4"; T-3226L, 13/16"; T-3228L, 7/8"; T-3230L, 1 1/8"; T-3232L, 1"; T-3234L, 1 1/16"; T-3236L, 1 1/8" in SK-3211LT Tray.

SK-3211LS Sockets only.

SK-3211LT Tray only.

Weight 10 Sets, 55 pounds

### SK-3311S SET — 11 SOCKETS

#### Regular Length — 8 Point 3/8" to 1"

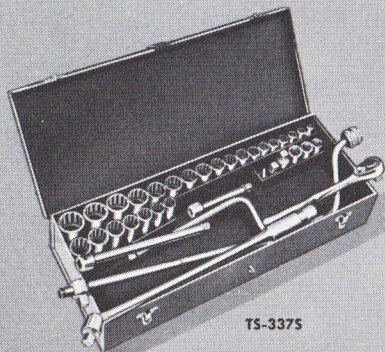
Consisting of: P-3312Y, 3/8"; P-3314Y, 7/16"; P-3316Y, 1/2"; P-3318Y, 9/16"; P-3320Y, 5/8"; P-3322Y, 1 1/16"; P-3324Y, 3/4"; P-3326Y, 13/16"; P-3328Y, 7/8"; P-3330Y, 1 1/8"; P-3332Y, 1" in SK-3311T Tray.

SK-3311S Sockets only.

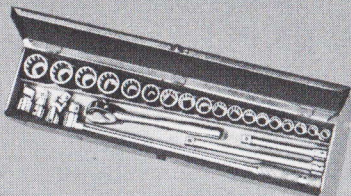
SK-3311T Tray only.

Weight 10 Sets, 44.5 pounds

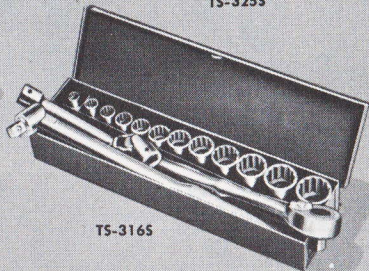
## 1/2" Square Drive TOOL SETS



TS-3375



TS-3255



TS-3165

Matched Sets of Superior Quality has been our goal in selecting the sets listed below. The set for your requirements, whether basic or complete, will give complete satisfaction for working convenience and faster service.

### TS-3255 SET — 25 TOOLS

(Socket sizes 3/8" to 1 1/4")

Consisting of: Sockets, T-3112, 3/8"; T-3114, 7/16"; T-3116, 1/2"; T-3118, 9/16"; T-3119, 1 1/32"; T-3120, 5/8"; T-3122, 1 1/16"; T-3124, 3/4"; T-3125, 2 3/32"; T-3126, 1 3/16"; T-3128, 7/8"; T-3129, 2 1/2"; T-3130, 1 1/8"; T-3132, 1"; T-3134, 1 1/16"; T-3136, 1 1/8"; T-3138, 1 3/16"; T-3140, 1 1/4"; Handles, SR-50, HF-318; Attachments, E-3-2, E-3-5, E-3-10, UJ-3, DL-32 in TS-3255 Box.

TS-325 Tools only.

TS-325B Box only.

Weight 10 Sets, 107 pounds

### TS-3165 SET — 16 TOOLS

(Socket sizes 3/8" to 1 1/16")

Consisting of: Sockets, T-3112, 3/8"; T-3114, 7/16"; T-3116, 1/2"; T-3118, 9/16"; T-3120, 5/8"; T-3122, 1 1/16"; T-3124, 3/4"; T-3126, 1 3/16"; T-3128, 7/8"; T-3130, 1 1/8"; T-3132, 1"; T-3134, 1 1/16"; Handles, SR-50, HF-312; Attachments, UJ-3, E-3-5 in TS-3165 Box.

TS-316 Tools only.

TS-316B Box only.

Weight 10 Sets, 65 pounds

### TS-3125 SET — 12 TOOLS

(Socket sizes 7/16" to 1")

Consisting of: Sockets, T-3114, 7/16"; T-3116, 1/2"; T-3118, 9/16"; T-3120, 5/8"; T-3122, 1 1/16"; T-3124, 3/4"; T-3126, 1 3/16"; T-3128, 7/8"; T-3130, 1 1/8"; T-3132, 1"; Ratchet, SR-50; Extension, E-3-5 in TS-3125 Box.

TS-312 Tools only.

TS-312B Box only.

Weight 10 Sets, 41 pounds

### TS-3375 SET — 37 TOOLS

(Socket sizes 3/8" to 1 1/4")

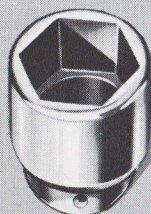
Consisting of: Sockets, T-3112, 3/8"; T-3114, 7/16"; T-3116, 1/2"; T-3118, 9/16"; T-3119, 1 1/32"; T-3120, 5/8"; T-3122, 1 1/16"; T-3124, 3/4"; T-3125, 2 3/32"; T-3126, 1 3/16"; T-3128, 7/8"; T-3129, 2 1/2"; T-3130, 1 1/8"; T-3132, 1"; T-3134, 1 1/16"; T-3136, 1 1/8"; T-3138, 1 3/16"; T-3140, 1 1/4"; Deep Sockets, T-3120L, 3/8"; T-3122L, 1 1/16"; T-3124L, 3/4"; T-3126L, 1 3/16"; T-3128L, 7/8"; T-3130L, 1 1/8"; T-3132L, 1"; Universals, U-3220, 5/8"; U-3222, 1 1/16"; U-3224, 3/4"; UJ-3; Handles, SR-50, HF-318, HST-316, HS-317; Attachments, E-3-2, E-3-5, E-3-10, DL-32 in TS-3375 Box.

TS-337 Tools only.

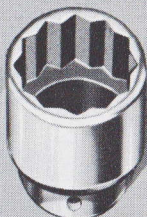
TS-337B Box only.

Weight 10 Sets, 187 pounds

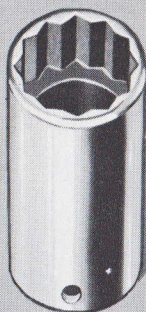
## 3/4" Square Drive SOCKETS



HEXAGON  
SOCKET



DOUBLE HEX  
SOCKET



DOUBLE HEX  
DEEP SOCKET



DRAG LINK

### REGULAR LENGTH Hex and Double Hex Sockets

Tool No. Dbl. Hex	Tool No. Hex	Opp. Size	Length	Weight 10 Pcs.
T-5124	.....	3/4"	1 13/16"	3.8
T-5128	.....	7/8"	1 13/16"	3.8
T-5130	.....	1 1/16"	1 13/16"	3.8
T-5132	.....	1"	1 13/16"	4.0
T-5134	T-5234	1 1/8"	1 13/16"	4.6
T-5136	T-5236	1 1/4"	2"	5.5
T-5138	.....	1 3/8"	2 1/8"	6.1
T-5140	T-5240	1 1/2"	2 3/8"	6.4
T-5142	T-5242	1 5/8"	2 1/4"	7.0
T-5144	T-5244	1 3/4"	2 3/8"	7.0
T-5146	T-5246	1 7/8"	2 3/8"	8.0
T-5148	T-5248	1 1/2"	2 1/2"	9.0
T-5150	.....	1 9/16"	2 3/8"	10.5
T-5152	T-5252	1 5/8"	2 5/8"	13.0
T-5154	T-5254	1 11/16"	2 3/4"	14.5
T-5156	.....	1 3/4"	2 7/8"	15.9
T-5158	T-5258	1 13/16"	3"	18.0
T-5160	T-5260	1 7/8"	3"	19.8
T-5162	.....	1 15/16"	3"	20.5
T-5164	T-5264	2"	3"	22.0
T-5166	.....	2 1/16"	3 1/8"	27.0
T-5168	.....	2 1/8"	3 1/4"	30.0
T-5170	.....	2 3/16"	3 3/16"	32.3
T-5172	.....	2 1/4"	3 3/8"	36.0
T-5176	.....	2 3/8"	3 7/16"	42.0

### DEEP LENGTH Double Hexagon Sockets

Tool No. Dbl. Hex	Opp. Size	Length	Weight 10 Pcs.
T-5128L	3/4"	3 1/2"	7.1
T-5130L	7/8"	3 1/2"	7.5
T-5132L	1"	3 1/2"	8.0
T-5134L	1 1/16"	3 1/2"	10.5
T-5136L	1 1/8"	3 1/2"	10.5
T-5138L	1 3/16"	3 1/2"	10.5
*T-5140L	1 1/4"	3 1/2"	12.8
T-5142L	1 5/16"	3 1/2"	13.2
T-5144L	1 3/8"	3 1/2"	14.0
T-5146L	1 7/16"	3 1/2"	16.0
T-5148L	1 1/2"	3 1/2"	18.0
T-5152L	1 5/8"	3 1/2"	21.5

\*Deep Broach Depth for truck "U" Bolts.

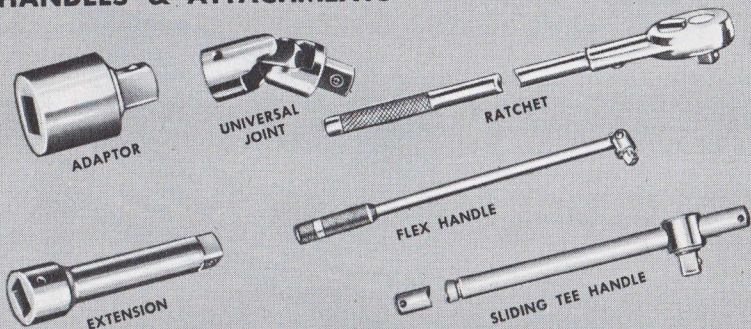
### DRAG LINKS

Tool No.	Overall Length	Weight 10 Pcs.
DL-52	2 3/16"	5.5

### SQUARE AND DOUBLE SQUARE SOCKETS

Square and Double Square Sockets in regular length and deep length may be found on page 37.

## 3/4" Square Drive HANDLES & ATTACHMENTS



Cornwell Attachments and Handles are made of the finest material obtainable. The design and workmanship of these tools exemplifies years of Cornwell experience and know how. These 3/4" Attachments are built to "take it" when doing heavy duty work. The Reversible Ratchet has been proven to be the most dependable and rugged available.

### ADAPTORS

Tool No.	Female Drive	Male Drive	Overall Length	Weight 10 Pcs.
A-53	3/4"	1/2"	2 1/8"	3.8
A-54	3/4"	5/8"	2 1/8"	4.8
A-56	3/4"	1"	2 1/4"	7.3

### UNIVERSAL JOINT

Tool No.	Drive Sizes	Overall Length	Weight 10 Pcs.
UJ-5	3/4" Fem. x 3/4" Male	3 3/8"	8.8

### REVERSIBLE RATCHET

Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
HR-3	3/4"	25 3/8"	68.5

### EXTENSIONS

Tool No.	Drive Sizes	Overall Length	Weight 10 Pcs.
E-5-2	3/4" Fem. x 3/4" Male	2"	4.6
E-5-4	3/4" Fem. x 3/4" Male	4"	8.8
E-5-6	3/4" Fem. x 3/4" Male	6"	12.0
E-5-8	3/4" Fem. x 3/4" Male	8"	14.5
E-5-16	3/4" Fem. x 3/4" Male	16"	28.3
E-5-24	3/4" Fem. x 3/4" Male	24"	40.0

### FLEX HANDLE

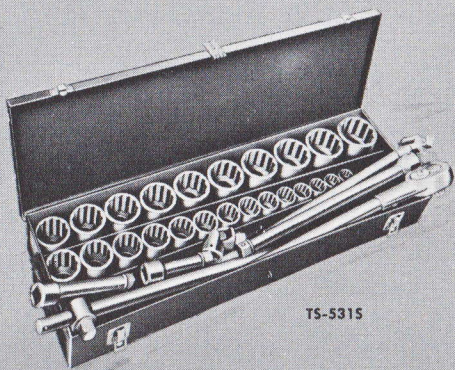
Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
HF-524	3/4"	24"	41.0

### SLIDING TEE HANDLE

Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
HST-520	3/4"	20"	40.0

## 3/4" Square Drive TOOL SETS

Designed and selected for Fleet Shops, Stationary Engine Service and Assembly, Medium Diesel and Factory maintenance. The right tools at the right time materially reduce equipment repair hours. The "Heavy Duty" tools in these sets are all manufactured to "Cornwell Quality" standards.



TS-5315

### TS-516S SET — 16 TOOLS

Socket Sizes 1 1/16" to 2"

Consisting of: Sockets, T-5134, 1 1/16"; T-5136, 1 1/8"; T-5140, 1 1/4"; T-5144, 1 3/8"; T-5146, 1 7/8"; T-5148, 1 1/2"; T-5152, 1 5/8"; T-5156, 1 3/4"; T-5158, 1 13/16"; T-5160, 1 7/8"; T-5164, 2"; Handles, HR-3, HF-524, HST-520; Attachments, E-5-4, E-5-8 in TS-516B Box.

TS-516 Tools only.

TS-516B Box only.

Weight 10 Sets, 382 pounds

### TS-531S SET — 31 TOOLS

Socket Sizes 7/8" to 2 3/8"

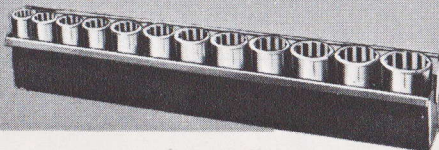
Consisting of: Sockets, T-5128, 7/8"; T-5130, 1 1/16"; T-5132, 1"; T-5134, 1 1/8"; T-5136, 1 1/4"; T-5138, 1 1/2"; T-5140, 1 3/4"; T-5142, 1 5/8"; T-5144, 1 3/8"; T-5146, 1 7/8"; T-5148, 1 1/2"; T-5150, 1 5/8"; T-5152, 1 3/4"; T-5154, 1 11/16"; T-5156, 1 3/4"; T-5158, 1 13/16"; T-5160, 1 7/8"; T-5162, 1 15/16"; T-5164, 2"; T-5166, 2 1/16"; T-5168, 2 1/8"; T-5170, 2 3/16"; T-5172, 2 1/4"; T-5176, 2 3/8"; Handles, HR-3, HF-524, HST-520; Attachments, E-5-4, E-5-8, E-5-16, UJ-5" in TS-531B Box.

TS-531 Tools only.

TS-531B Box only.

Weight 10 Sets, 656 pounds

## 3/4" Square Drive SOCKET SET



### SK-5112LS SET — 12 SOCKETS

Sizes 7/8" to 1 3/8"

Consisting of: T-5128L, 7/8"; T-5130L, 1 1/16"; T-5132L, 1"; T-5134L, 1 1/8"; T-5136L, 1 1/4"; T-5138L, 1 1/2"; T-5140L, 1 3/4"; T-5142L, 1 5/8"; T-5144L, 1 3/8"; T-5146L, 1 7/8"; T-5148L, 1 1/2"; T-5152L, 1 5/8" in SK-5112LT Tray.

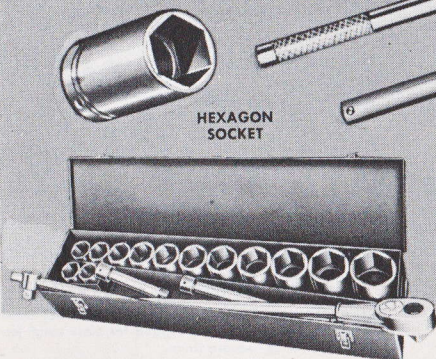
SK-5112L Sockets only.

SK-5112LT Tray only.

Weight 10 Sets, 167 pounds

This set of Deep Length Double Hexagon Sockets from 7/8" to 1 3/8" is particularly well suited for heavy duty maintenance work. The extra length affords bolt clearance which is so vitally necessary in many operations.

# 1" Square Drive TOOLS



HEXAGON  
SOCKET

RATCHET

SLIDING TEE HANDLE

EXTENSION

ADAPTOR

TS-6175

These "Giants" of Industry are designed and built for heavy maintenance in Factory and Mill as well as Large Mobile Equipment. Rigs, Derricks and all Heavy Machinery can be repaired faster and at less cost with the right tool made by Cornwell.

## HEX SOCKETS

Tool No.	Opp. Size	Length	Weight 10 Pcs.
T-6252	1 3/8"	3 3/16"	19.5
T-6254	1 11/16"	3 3/16"	21.5
T-6256	1 3/4"	3 3/16"	23.5
T-6258	1 13/16"	3 3/16"	25.5
T-6260	1 7/8"	3 3/8"	30.0
T-6264	2"	3 7/16"	30.0
T-6268	2 1/8"	3 1/2"	35.0
T-6270	2 3/16"	3 3/8"	40.0
T-6272	2 1/4"	3 13/16"	50.0
T-6276	2 3/8"	3 7/8"	52.5
T-6280	2 1/2"	4 1/8"	60.0
T-6284	2 5/8"	4 1/4"	68.0
T-6288	2 3/4"	4 1/2"	74.0
T-6294	2 11/16"	4 3/8"	80.0
T-62100	3 1/8"	5"	90.0

## REVERSIBLE RATCHET

Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
GR-3	1"	35"	134.0

## SLIDING TEE HANDLE

Tool No.	Square Drive	Overall Length	Weight 10 Pcs.
HST-630	1"	30"	79.0

## EXTENSIONS

Tool No.	Drive Sizes	Overall Length	Weight 10 Pcs.
E-6-8	1" Fem. x 1" Male	8"	28.5
E-6-16	1" Fem. x 1" Male	16"	56.0

## ADAPTOR

Tool No.	Drive Sizes	Overall Length	Weight 10 Pcs.
A-65	1" Fem. x 3/4" Male	2 5/8"	10.0

## TS-6125 SET — 12 TOOLS

### Socket Size 1 3/8" to 2 3/8"

Consisting of: Sockets, T-6252, T-6254, T-6258, T-6260, T-6264, T-6270, T-6272, T-6276, T-6280, T-6284, T-6288, T-6294, T-62100; Handles, GR-3, HST-630; Attachments, E-6-8, E-6-16 in TS-612B Box.

TS-612 Tools only.

TS-612B Box only.  
Weight 10 Sets, 578.0 pounds

## TS-6175 SET — 17 TOOLS

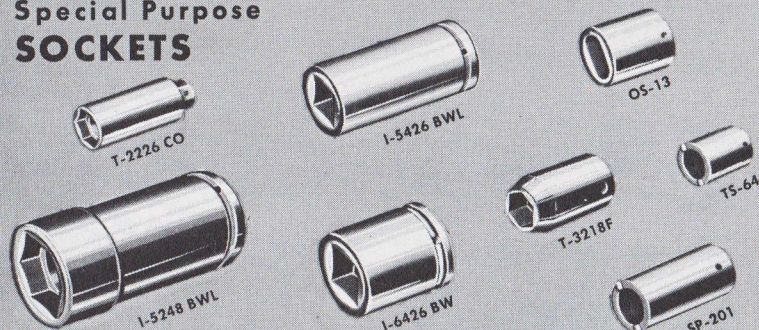
### Socket Sizes 1 3/8" to 3 1/8"

Consisting of: Sockets, T-6252, T-6254, T-6258, T-6260, T-6264, T-6270, T-6272, T-6276, T-6280, T-6284, T-6288, T-6294, T-62100; Handles, GR-3, HST-630; Attachments, E-6-8, E-6-16 in TS-617B Box.

TS-617 Tools only.

TS-617B Box only.  
Weight 10 Sets, 960.0 pounds

## Special Purpose SOCKETS



### SPARK PLUG SOCKETS

**T-2226FM—FORD—MERCURY SPARK PLUG SOCKET—**Allows easy access under hot manifolds of overhead valve V-8 Ford and Mercury Engines. Drive end knurled for starting plug and finger spinning.

**T-2226CO—CADILLAC—OLDSMOBILE SPARK PLUG SOCKET—**Provided with  $\frac{3}{4}$ " male hex on drive end so that socket can be turned with standard  $\frac{3}{4}$ " wrench when clearance for standard handles is not available.

**T-3126V—BUICK SPARK PLUG SOCKET—**Thin wall socket for Buick Spark Plugs where clearance is at a minimum.

Tool No.	Size Opp.	Square Drive	Weight 10 Pcs.
T-2226FM	$\frac{13}{16}$ "	$\frac{3}{8}$ "	3.8
T-2226CO	$\frac{13}{16}$ "	$\frac{3}{8}$ "	3.5
* T-3126V	$\frac{13}{16}$ "	$\frac{1}{2}$ "	4.0

### BUDD WHEEL SOCKETS

Cornwell "Budd" Sockets will help you do your service work faster and better. Furnished in  $\frac{3}{4}$ " and 1" square drives, these Sockets are specially designed to properly service Budd Wheels of the type used on trucks. The I-5426BWL is used with any  $\frac{3}{4}$ " drive Impact Wrench without an extension—either built in or separate—and will clear all hubs now in use. The  $1\frac{1}{2}$ " hexagon sockets are hot broached to the proper depth and ample clearance is provided to clear hubs.

Tool No.	Opening Size	Opening Type	Drive Size	Length	Weight 10 Pcs.
I-5248BWL	$1\frac{1}{2}$ "	Hex	$\frac{3}{4}$ "	5"	17.5
I-5426BW	$\frac{13}{16}$ "	Square	$\frac{3}{4}$ "	2"	8.5
I-5426BWL	$\frac{13}{16}$ "	Square	$\frac{3}{4}$ "	4"	18.0
I-6248BW	$1\frac{1}{2}$ "	Hex	1"	3"	18.5
I-6426BW	$\frac{13}{16}$ "	Square	1"	$2\frac{1}{16}$ "	13.0

### OBLONG SOCKETS FOR BRAKES

Sockets with special oblong openings for Brake adjustment. These tools are exceptionally rugged for those tough jobs. Furnished with  $\frac{1}{2}$ " square drive.

Tool No.	Opening Size Flats	Opening Size Radius	Length	Weight 10 Pcs.
OS-11	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$1\frac{3}{4}$ "	3.3
OS-13	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$1\frac{3}{4}$ "	3.2
OS-21	$\frac{3}{8}$ "	$\frac{7}{8}$ "	$1\frac{1}{8}$ "	3.8

**Note**—OS-11 for Timken H.D., F-7 Ford Truck, Chrysler; OS-13 for Chrysler; OS-21 for Rockway, Corbett, Dodge and Interl Trucks—Timken.

### CONNECTING ROD SOCKETS

**T-3218F—FORD CONNECTING ROD SOCKETS—**Made from the finest material obtainable, heat treated to the most exacting standards.

**T-3214C—CADILLAC CONNECTING ROD SOCKET—**A must for Cadillac connecting rod work. Grips the nut firmly and "all the way" because the design is right.

Tool No.	Size Opp.	Square Drive	Weight 10 Pcs.
* T-3214C	$\frac{7}{16}$ "	$\frac{1}{2}$ "	1.1
* T-3218F	$\frac{9}{16}$ "	$\frac{1}{2}$ "	1.8

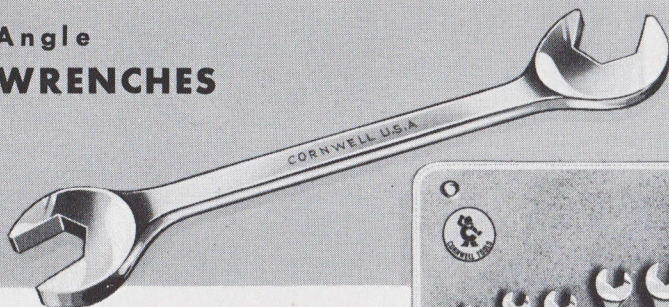
### PRONGED SOCKETS

Specially designed to fit a multitude of light, heater, starter and wiper control nuts on instrument panels. SP-201 is for 1955 Chevrolet windshield wiper nuts.

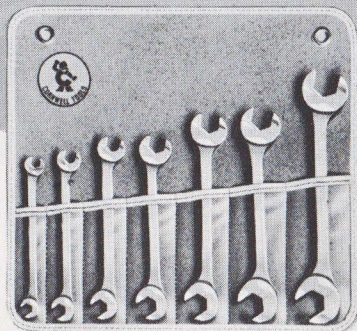
Tool No.	Square Drive	Outside Diameter	Clearance Hole	Prong Width	Weight 10 Pcs.
* SP-201	$\frac{3}{8}$ "	$1\frac{1}{16}$ "	$\frac{21}{32}$ "	.075	1.8
* TS-63	$\frac{1}{4}$ "	$1\frac{1}{8}$ "	$\frac{13}{64}$ "	.085	0.3
* TS-64	$\frac{1}{4}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	.055	0.8
* TS-65	$\frac{1}{4}$ "	$\frac{3}{4}$ "	$\frac{9}{32}$ "	.055	0.4
* TS-66	$\frac{1}{4}$ "	$\frac{27}{32}$ "	$\frac{5}{8}$ "	.055	1.0

**Note**—TS-63, Plymouth; TS-64, Chrysler; TS-65, Ford and Mercury; TS-66, Plymouth.

## Angle WRENCHES



Angle Wrenches are exceptionally popular among Aircraft Mechanics for close work. Also, the automotive mechanic will find the thin, sturdy pear shaped heads at 15 and 60 degree angles to the handle, allow for maximum nut turning in tight inaccessible places. Made from the finest alloy steel and fully chrome plated. The construction is light, fully balanced and rugged. The three angle wrench sets listed have the widest range of sizes with fewer wrenches.



Tool No.	Opp- Size	Length	Weight 10 Pcs.
AW-0808	1/4"	4 1/4"	0.3
AW-1010	3/16"	4 1/2"	0.4
AW-1212	3/8"	4 3/4"	0.6
AW-1414	7/16"	5"	0.8
AW-1616	1/2"	5 1/4"	1.1
AW-1818	5/8"	5 3/4"	1.3
AW-1818L	3/4"	10"	2.0
AW-2020	7/8"	6 1/4"	1.7
AW-2020L	1"	10"	2.4
AW-2222	1 1/16"	6 3/4"	2.3
AW-2424	3/4"	7 1/4"	2.8
AW-2424L	3/4"	12"	4.0
AW-2626	1 3/16"	7 3/8"	2.9
AW-2828	7/8"	8"	3.2
AW-3030	1 3/16"	8 3/4"	3.8
AW-3232	1"	9 1/2"	5.0
AW-3434	1 1/16"	10"	5.5
AW-3636	1 1/8"	11"	6.8
AW-3838	1 3/16"	11 1/2"	8.0
AW-4040	1 1/4"	11 3/4"	9.1
AW-4242	1 3/8"	12"	10.0
AW-4444	1 3/8"	12 1/2"	10.8
AW-4646	1 7/8"	13 1/4"	12.3
AW-4848	1 1/2"	14"	14.8

## ANGLE WRENCH SETS

### WA-7S SET — 7 WRENCHES

Sizes 1/4" to 3/8"

Consisting of: AW-0808, AW-1010, AW-1212, AW-1414, AW-1616, AW-1818, AW-2020 in WA-7K Kit.

WA-7 Wrenches only.

WA-7K Kit only.

Weight 10 Sets, 6.9 pounds

### WA-14S SET — 14 WRENCHES

Sizes 1/4" to 1 1/8"

Consisting of: AW-0808, AW-1010, AW-1212, AW-1414, AW-1616, AW-1818, AW-2020, AW-2222, AW-2424, AW-2626, AW-2828, AW-3030, AW-3232, AW-3434 in WA-14K Kit.

WA-14 Wrenches only.

WA-14K Kit only.

Weight 10 Sets, 33.0 pounds

### WA-21S SET — 21 WRENCHES

Sizes 1/4" to 1 1/2"

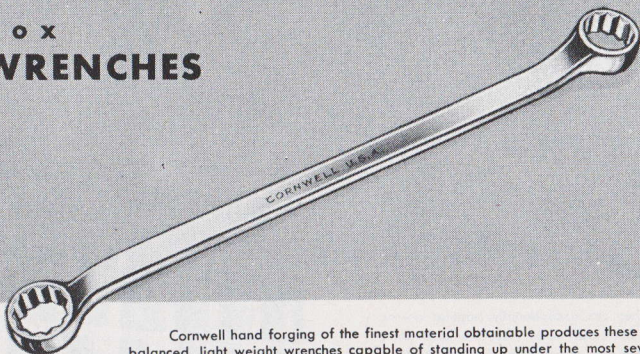
Consisting of: AW-0808, AW-1010, AW-1212, AW-1414, AW-1616, AW-1818, AW-2020, AW-2222, AW-2424, AW-2626, AW-2828, AW-3030, AW-3232, AW-3434, AW-3636, AW-3838, AW-4040, AW-4242, AW-4444, AW-4646, AW-4848 in WA-21K Kit.

WA-21 Wrenches only.

WA-21K Kit only.

Weight 10 Sets, 106.0 pounds

# Box WRENCHES



Cornwell hand forging of the finest material obtainable produces these beautifully balanced, light weight wrenches capable of standing up under the most severe strain. The offset pattern pioneered by Cornwell makes these wrenches particularly adaptable for work over obstructions.

## REGULAR LENGTH Hex and Double Hex

Tool No. Dbl. Hex	Tool No. Hex	Opg. Size	Length	Weight 10 Pcs.
BW-1214	BWS-1214	$\frac{3}{8}$ " x $\frac{7}{16}$ "	7 $\frac{3}{8}$ "	1.3
BW-1416	BWS-1416	$\frac{7}{16}$ " x $\frac{1}{2}$ "	8"	1.7
BW-1618	BWS-1618	$\frac{1}{2}$ " x $\frac{9}{16}$ "	8 $\frac{5}{8}$ "	2.1
BW-1820	.....	$\frac{9}{16}$ " x $\frac{5}{8}$ "	9 $\frac{1}{4}$ "	2.5
BW-1922	.....	$\frac{19}{32}$ " x $\frac{11}{16}$ "	10"	2.9
BW-2022	.....	$\frac{5}{8}$ " x $\frac{11}{16}$ "	10 $\frac{3}{4}$ "	3.4
BW-2024	.....	$\frac{5}{8}$ " x $\frac{3}{4}$ "	11"	3.8
BW-2224	.....	$\frac{11}{16}$ " x $\frac{3}{4}$ "	11 $\frac{1}{2}$ "	4.3
BW-2226	.....	$\frac{11}{16}$ " x $\frac{13}{16}$ "	12"	5.1
BW-2428	.....	$\frac{3}{4}$ " x $\frac{7}{8}$ "	12 $\frac{1}{2}$ "	6.3
BW-2526	.....	$\frac{25}{32}$ " x $\frac{13}{16}$ "	13 $\frac{1}{2}$ "	7.0
BW-2628	.....	$\frac{13}{16}$ " x $\frac{7}{8}$ "	14"	7.5
BW-2830	.....	$\frac{7}{8}$ " x $\frac{13}{16}$ "	14 $\frac{1}{2}$ "	9.8
BW-3032	.....	$\frac{13}{16}$ " x 1"	15"	10.0
BW-3236	.....	1" x 1 $\frac{1}{8}$ "	15 $\frac{1}{2}$ "	12.5
BW-3436	.....	1 $\frac{1}{16}$ " x 1 $\frac{1}{8}$ "	16"	13.8
BW-3440	.....	1 $\frac{1}{16}$ " x 1 $\frac{1}{4}$ "	17"	14.5
BW-3842	.....	1 $\frac{3}{16}$ " x 1 $\frac{3}{16}$ "	18"	17.8
BW-4044	.....	1 $\frac{1}{4}$ " x 1 $\frac{3}{8}$ "	19"	19.0
BW-4448	.....	1 $\frac{3}{8}$ " x 1 $\frac{1}{2}$ "	20"	23.1
BW-4648	.....	1 $\frac{7}{16}$ " x 1 $\frac{1}{2}$ "	21"	25.8
BW-4652	.....	1 $\frac{7}{16}$ " x 1 $\frac{5}{8}$ "	22"	34.0
BW-6064	.....	1 $\frac{7}{8}$ " x 2"	25"	50.0

## SHORT LENGTH Hex and Double Hex

Tool No. Dbl. Hex	Tool No. Hex	Opg. Size	Length	Weight 10 Pcs.
.....	BWS-0810S	$\frac{1}{4}$ " x $\frac{5}{16}$ "	4 $\frac{1}{4}$ "	0.5
.....	BWS-1012S	$\frac{3}{16}$ " x $\frac{3}{8}$ "	4 $\frac{1}{8}$ "	0.5
BW-1214S	BWS-1214S	$\frac{3}{8}$ " x $\frac{7}{16}$ "	4 $\frac{3}{8}$ "	0.8
BW-1416S	BWS-1416S	$\frac{7}{16}$ " x $\frac{1}{2}$ "	4 $\frac{5}{8}$ "	0.8
BW-1618S	BWS-1618S	$\frac{1}{2}$ " x $\frac{9}{16}$ "	5"	1.0
BW-1820S	.....	$\frac{9}{16}$ " x $\frac{5}{8}$ "	5 $\frac{1}{2}$ "	1.5
BW-2024S	.....	$\frac{5}{8}$ " x $\frac{3}{4}$ "	6"	1.8
BW-2224S	.....	1 $\frac{1}{16}$ " x $\frac{3}{4}$ "	6 $\frac{1}{2}$ "	2.0

## LONG LENGTH Double Hex

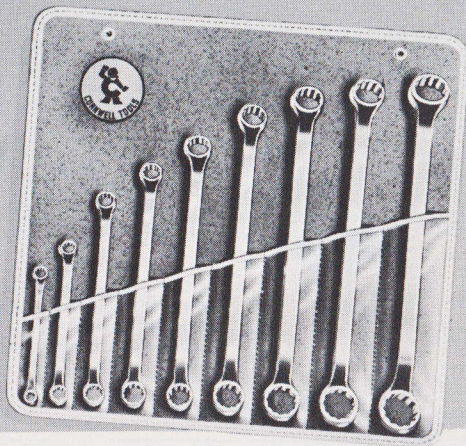
Tool No. Dbl. Hex.	Opg. Size	Length	Weight 10 Pcs.
BW-1416L	$\frac{7}{16}$ " x $\frac{1}{2}$ "	12"	2.3
BW-1618L	$\frac{1}{2}$ " x $\frac{9}{16}$ "	12"	2.4

## MIDGET SIZE Single Hexagon

Tool No. Hex	Opg. Size	Length	Weight 10 Pcs.
BW-2M	$\frac{3}{16}$ " x 1 $\frac{3}{64}$ "	2 $\frac{7}{8}$ "	0.3
BW-4M	$\frac{7}{32}$ " x 1 $\frac{3}{64}$ "	3 $\frac{1}{8}$ "	0.3
BW-6M	$\frac{1}{4}$ " x $\frac{9}{32}$ "	3 $\frac{3}{8}$ "	0.4
BW-8M	$\frac{5}{16}$ " x 1 $\frac{1}{32}$ "	3 $\frac{3}{4}$ "	0.5

## BOX WRENCH SETS

Careful consideration to all assembly, maintenance and repair operations has been our aim in compiling the Box Wrench Sets listed below. All Cornwell wrenches are hand forged from fine Alloy Steel. The hot braached Hex and Double Hex openings are clean, sharp and accurate offering better gripping to all nuts and bolts. The size ranges in the following sets will fulfill the requirements of all mechanics.



### WB1-5S SET — 5 WRENCHES

#### Regular Length - 12 Point $\frac{3}{8}$ " to 1"

Consisting of: BW-1214,  $\frac{3}{8}$ " x  $\frac{7}{16}$ "; BW-1618,  $\frac{1}{2}$ " x  $\frac{9}{16}$ "; BW-2022,  $\frac{5}{8}$ " x  $\frac{11}{16}$ "; BW-2428,  $\frac{3}{4}$ " x  $\frac{13}{16}$ "; BW-3032,  $\frac{7}{8}$ " x 1" in WB1-5K Kit.

**WB1-5 Wrenches only.**

**WB1-5K Kit only.**

Weight 10 Sets, 23 pounds

### WB1-6S SET — 6 WRENCHES

#### Regular Length - 12 Point $\frac{7}{16}$ " to $1\frac{1}{8}$ "

Consisting of: BW-1416,  $\frac{7}{16}$ " x  $\frac{1}{2}$ "; BW-1820,  $\frac{9}{16}$ " x  $\frac{5}{8}$ "; BW-2224,  $1\frac{1}{16}$ " x  $\frac{3}{4}$ "; BW-2628,  $1\frac{3}{16}$ " x  $\frac{7}{8}$ "; BW-3032,  $1\frac{5}{16}$ " x 1"; BW-3436,  $1\frac{1}{16}$ " x  $1\frac{1}{8}$ " in WB1-6K Kit.

**WB1-6 Wrenches only.**

**WB1-6K Kit only.**

Weight 10 Sets, 40 pounds

### WB1-9S SET — 9 WRENCHES

#### Regular Length - 12-Point $\frac{7}{16}$ " to $1\frac{1}{2}$ "

Consisting of: BW-1416,  $\frac{7}{16}$ " x  $\frac{1}{2}$ "; BW-1820,  $\frac{9}{16}$ " x  $\frac{5}{8}$ "; BW-2224,  $1\frac{1}{16}$ " x  $\frac{3}{4}$ "; BW-2628,  $1\frac{3}{16}$ " x  $\frac{7}{8}$ "; BW-3032,  $1\frac{5}{16}$ " x 1"; BW-3436,  $1\frac{1}{16}$ " x  $1\frac{1}{8}$ "; BW-3842,  $1\frac{3}{16}$ " x  $1\frac{1}{2}$ "; BW-4044,  $1\frac{1}{4}$ " x  $1\frac{3}{8}$ "; BW-4648,  $1\frac{7}{16}$ " x  $1\frac{1}{2}$ " in WB1-9K Kit.

**WB1-9 Wrenches only.**

**WB1-9K Kit only.**

Weight 10 Sets, 101 pounds

### WBS2-5S SET — 5 WRENCHES

#### Short Length - 6 Point $\frac{1}{4}$ " to $\frac{1}{16}$ "

Consisting of: BWS-0810S,  $\frac{1}{4}$ " x  $\frac{5}{16}$ "; BWS-1012S,  $\frac{3}{16}$ " x  $\frac{3}{8}$ "; BWS-1214S,  $\frac{3}{8}$ " x  $\frac{7}{16}$ "; BWS-1416S,  $\frac{7}{16}$ " x  $\frac{1}{2}$ "; BWS-1618S,  $\frac{1}{2}$ " x  $\frac{9}{16}$ " in WBS2-5K Kit.

**WBS2-5 Wrenches only.**

**WBS2-5K Kit only.**

Weight 10 Sets, 4 pounds

### WBS1-6S SET — 6 WRENCHES

#### Short Length - 12 Point $\frac{3}{8}$ " to $\frac{3}{4}$ "

Consisting of: BW-1214S,  $\frac{3}{8}$ " x  $\frac{7}{16}$ "; BW-1416S,  $\frac{7}{16}$ " x  $\frac{1}{2}$ "; BW-1618S,  $\frac{1}{2}$ " x  $\frac{9}{16}$ "; BW-1820S,  $\frac{9}{16}$ " x  $\frac{5}{8}$ "; BW-2024S,  $\frac{5}{8}$ " x  $\frac{3}{4}$ "; BW-2224S,  $1\frac{1}{16}$ " x  $\frac{3}{4}$ " in WBS1-6K Kit.

**WBS1-6 Wrenches only.**

**WBS1-6K Kit only.**

Weight 10 Sets, 8.5 pounds

### WB2-4MS SET — 4 WRENCHES

#### Midget Size - 6 Point $\frac{3}{16}$ " to $1\frac{1}{32}$ "

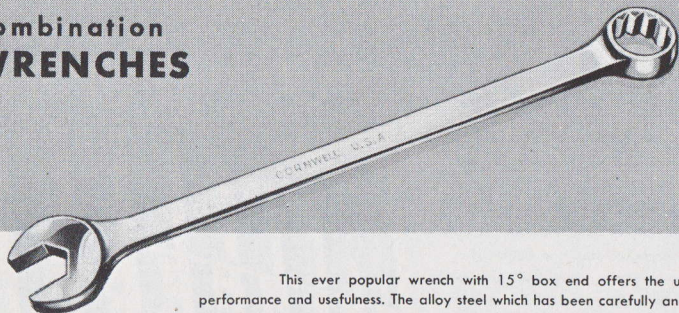
Consisting of: BW-2M,  $\frac{3}{16}$ " x  $1\frac{3}{64}$ "; BW-4M,  $\frac{7}{32}$ " x  $1\frac{1}{64}$ "; BW-6M,  $\frac{1}{4}$ " x  $\frac{1}{32}$ "; BW-8M,  $\frac{5}{16}$ " x  $1\frac{1}{32}$ " in WB2-4MK Kit.

**WB2-4M Wrenches only.**

**WB2-4MK Kit only.**

Weight 10 Sets, 2 pounds

## Combination WRENCHES



This ever popular wrench with 15° box end offers the ultimate in performance and usefulness. The alloy steel which has been carefully and skillfully hand forged makes this wrench the strongest, safest and most beautifully balanced wrench available. Wrench openings range from the tiny 1/4" to the large 2" size.

### REGULAR LENGTH Hex and Double Hex

Tool No. Dbl. Hex	Tool No. Hex	Opg. Size	Length	Weight 10 Pcs.
.....	CWS-0808	1/4"	4 5/8"	0.5
CW-1010	CWS-1010	3/16"	5"	0.8
.....	CWS-1111	1/32"	5 1/8"	0.8
CW-1212	CWS-1212	3/8"	5 1/4"	0.9
CW-1414	CWS-1414	7/16"	6"	1.1
CW-1616	CWS-1616	1/2"	6 3/8"	1.4
CW-1818	CWS-1818	9/16"	7 3/4"	1.9
CW-2020	.....	5/8"	8 5/8"	2.8
CW-2222	.....	11/16"	9 1/2"	3.0
CW-2424	.....	3/4"	10 3/8"	4.0
CW-2626	.....	13/16"	11 1/4"	5.0
CW-2828	.....	7/8"	12 1/8"	6.0
CW-3030	.....	15/16"	13"	8.9
CW-3232	.....	1"	13 3/8"	9.1
CW-3434	.....	1 1/16"	14 3/4"	11.6
CW-3636	.....	1 1/8"	15 3/8"	13.2
CW-3838	.....	1 3/16"	16 1/2"	15.6
CW-4040	.....	1 1/4"	17 1/4"	17.5
CW-4242	.....	1 3/16"	18"	18.2
CW-4444	.....	1 3/8"	19"	23.1
CW-4646	.....	1 7/8"	21"	26.9
CW-4848	.....	1 1/2"	24"	35.6
CW-5252	.....	1 5/8"	26"	38.1

### REGULAR LENGTH Hex and Double Hex

Tool No. Dbl. Hex	Tool No. Hex	Opg. Size	Length	Weight 10 Pcs.
CW-5454	.....	1 1/16"	27"	47.5
CW-5656	.....	1 3/4"	27 1/2"	58.1
CW-5858	.....	1 1/8"	28"	61.0
CW-6060	.....	1 7/8"	29 1/2"	63.1
CW-6464	.....	2"	31"	80.0

### LONG LENGTH Double Hex

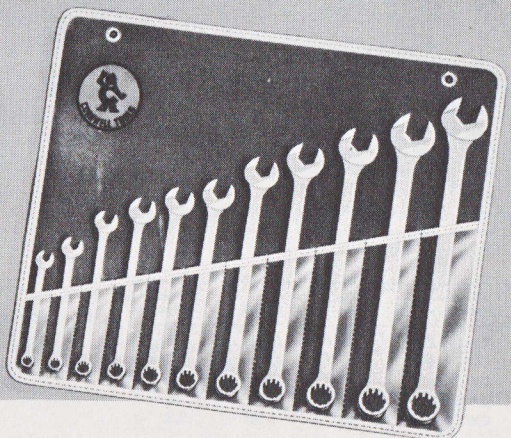
Tool No.	Opg. Size	Length	Weight 10 Pcs.
CW-1616L	1/2"	9 1/8"	1.9
CW-1818L	9/16"	10"	2.4
CW-2020L	3/8"	10 7/8"	3.3
CW-2222L	1 1/16"	11 3/4"	3.6
CW-2424L	3/4"	12 3/8"	4.5

### SHORT LENGTH Double Hex

Tool No.	Opg. Size	Length	Weight 10 Pcs.
CW-1414S	7/16"	5"	1.0
CW-1616S	1/2"	5 5/16"	1.3
CW-1818S	9/16"	6 1/8"	1.8
CW-2020S	5/8"	6 11/16"	2.3
CW-2222S	1 1/16"	7"	2.6
CW-2424S	3/4"	7"	3.0

## Combination WRENCH SETS

Cornwell Combination Wrench Sets fulfill the requirements of all mechanics whether the work is small and intricate or large and heavy. Select the set for your requirements from those listed below.



### WCS1-6S SET — 6 WRENCHES

#### Short Length - 12 Point $\frac{7}{16}$ " to $\frac{3}{4}$ "

Consisting of: CW-1414S,  $\frac{7}{16}$ "; CW-1616S,  $\frac{1}{2}$ "; CW-1818S,  $\frac{9}{16}$ "; CW-2020S,  $\frac{5}{8}$ "; CW-2222S,  $1\frac{1}{16}$ "; CW-2424S,  $\frac{3}{4}$ " in WCS1-6K Kit.

WCS1-6 Wrenches only.

WCS1-6K Kit only.

Weight 10 Sets, 14 pounds

### WC2-7S SET — 7 WRENCHES

#### Regular Length - 6 Point $\frac{1}{4}$ " to $\frac{9}{16}$ "

Consisting of: CWS-0808,  $\frac{1}{4}$ "; CWS-1010,  $\frac{5}{16}$ "; CWS-1111,  $\frac{11}{32}$ "; CWS-1212,  $\frac{3}{8}$ "; CWS-1414,  $\frac{7}{16}$ "; CWS-1616,  $\frac{1}{2}$ "; CWS-1818,  $\frac{9}{16}$ " in WC2-7K Kit.

WC2-7 Wrenches only.

WC2-7K Kit only.

Weight 10 Sets, 9 pounds

### WC1-20S SET — 20 WRENCHES

#### Regular Length - 12 Point $\frac{3}{8}$ " to $1\frac{3}{8}$ "

Consisting of: CW-1212,  $\frac{3}{8}$ "; CW-1414,  $\frac{7}{16}$ "; CW-1616,  $\frac{1}{2}$ "; CW-1818,  $\frac{9}{16}$ "; CW-2020,  $\frac{5}{8}$ "; CW-2222,  $1\frac{1}{16}$ "; CW-2424,  $\frac{3}{4}$ "; CW-2626,  $1\frac{3}{16}$ "; CW-2828,  $\frac{7}{8}$ "; CW-3030,  $1\frac{1}{8}$ "; CW-3232, 1"; CW-3434,  $1\frac{1}{16}$ "; CW-3636,  $1\frac{1}{8}$ "; CW-3838,  $1\frac{3}{16}$ "; CW-4040,  $1\frac{1}{4}$ "; CW-4242,  $1\frac{3}{8}$ "; CW-4444,  $1\frac{1}{2}$ "; CW-4646,  $1\frac{5}{8}$ "; CW-4848,  $1\frac{1}{2}$ "; CW-5252,  $1\frac{3}{4}$ " in WC1-20K Kit.

WC1-20 Wrenches only.

WC1-20K Kit only.

Weight 10 Sets, 250 pounds

### WC1-7S SET — 7 WRENCHES

#### Regular Length - 12 Point $\frac{3}{8}$ " to $\frac{3}{4}$ "

Consisting of: CW-1212,  $\frac{3}{8}$ "; CW-1414,  $\frac{7}{16}$ "; CW-1616,  $\frac{1}{2}$ "; CW-1818,  $\frac{9}{16}$ "; CW-2020,  $\frac{5}{8}$ "; CW-2222,  $1\frac{1}{16}$ "; CW-2424,  $\frac{3}{4}$ " in WC1-7K Kit.

WC1-7 Wrenches only.

WC1-7K Kit only.

Weight 10 Sets, 16.5 pounds

### WC1-11S SET — 11 WRENCHES

#### Regular Length - 12 Point $\frac{3}{8}$ " to 1"

Consisting of: CW-1212,  $\frac{3}{8}$ "; CW-1414,  $\frac{7}{16}$ "; CW-1616,  $\frac{1}{2}$ "; CW-1818,  $\frac{9}{16}$ "; CW-2020,  $\frac{5}{8}$ "; CW-2222,  $1\frac{1}{16}$ "; CW-2424,  $\frac{3}{4}$ "; CW-2626,  $1\frac{3}{16}$ "; CW-2828,  $\frac{7}{8}$ "; CW-3030,  $1\frac{1}{8}$ "; CW-3232, 1" in WC1-11K Kit.

WC1-11 Wrenches only.

WC1-11K Kit only.

Weight 10 Sets, 46 pounds

### WC1-14S SET — 14 WRENCHES

#### Regular Length - 12 Point $\frac{3}{8}$ " to $1\frac{1}{4}$ "

Consisting of: CW-1212,  $\frac{3}{8}$ "; CW-1414,  $\frac{7}{16}$ "; CW-1616,  $\frac{1}{2}$ "; CW-1818,  $\frac{9}{16}$ "; CW-2020,  $\frac{5}{8}$ "; CW-2222,  $1\frac{1}{16}$ "; CW-2424,  $\frac{3}{4}$ "; CW-2626,  $1\frac{3}{16}$ "; CW-2828,  $\frac{7}{8}$ "; CW-3030,  $1\frac{1}{8}$ "; CW-3232, 1"; CW-3434,  $1\frac{1}{16}$ "; CW-3636,  $1\frac{1}{8}$ "; CW-4040,  $1\frac{1}{4}$ " in WC1-14K Kit.

WC1-14 Wrenches only.

WC1-14K Kit only.

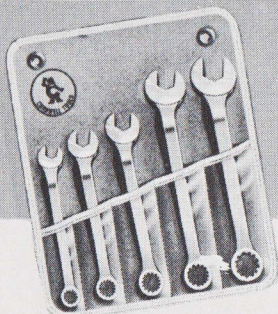
Weight 10 Sets, 90 pounds

## Combination Offset WRENCHES



Especially designed with deep offset on the open end. Particularly useful in brake work and other jobs where obstructions make the work inaccessible.

Tool No. Dbl. Hex	Opg. Size	Length	Weight 10 Pcs.
CWO-1212	3/8"	4 1/2"	0.8
CWO-1414	7/16"	5"	1.0
CWO-1616	1/2"	5 5/8"	1.3
CWO-1818	9/16"	6 1/8"	1.8
CWO-2020	5/8"	6 3/4"	2.3



## OFFSET WRENCH SET

### WCO-55 SET — 5 WRENCHES Sizes 3/8" to 5/8"

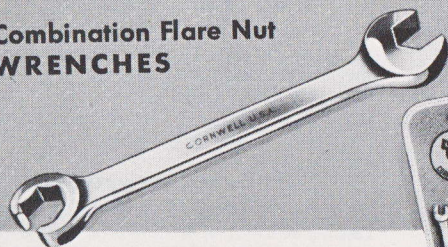
Consisting of: CWO-1212, CWO-1414, CWO-1616, CWO-1818, CWO-2020 in WCO-5K Kit.

WCO-5 Wrenches only.

WCO-5K Kit only.

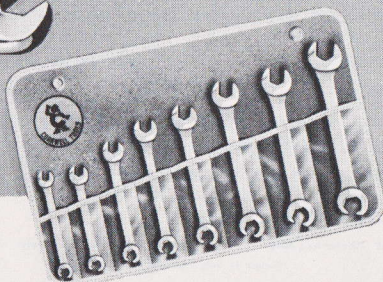
Weight 10 Sets, 7.5 pounds

## Combination Flare Nut WRENCHES



A combination split box wrench and extra thick end wrench for use on brass fittings and over tubing and pipe in very close places. Cannot slip and damage the fitting.

Tool No. Hex	Opg. Size	Length	Oil Line Size	Weight 10 Pcs.
* CWF-1212	3/8"	5 1/4"	1/8"	1.3
* CWF-1414	7/16"	5 3/8"	3/16"	1.3
* CWF-1616	1/2"	6"	1/4"	2.1
* CWF-1818	9/16"	6 3/8"	3/8"	2.8
* CWF-2020	5/8"	6 3/4"	3/8"	3.5
* CWF-2222	1 1/16"	7"	1/2"	4.0
* CWF-2424	3/4"	7"	9/16"	5.1
* CWF-2828	7/8"	8 1/4"	1 1/16"	7.0



## FLARE NUT WRENCH SETS

### WF2-8S SET — 8 WRENCHES Sizes 3/8" to 7/8"

Consisting of: CWF-1212, CWF-1414, CWF-1616, CWF-1818, CWF-2020, CWF-2222, CWF-2424, CWF-2828 in WF2-8K Kit.

WF2-8 Wrenches only.

WF2-8K Kit only.

Weight 10 Sets, 28.0 pounds

### WF2-5S SET — 5 WRENCHES Sizes 3/8" to 5/8"

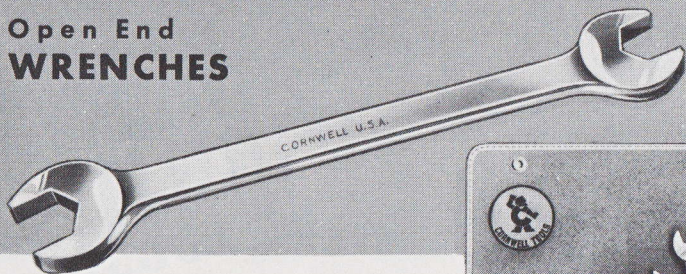
Consisting of: CWF-1212, CWF-1414, CWF-1616, CWF-1818, CWF-2020 in WF2-5K Kit.

WF2-5 Wrenches only.

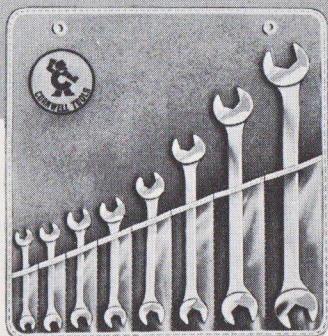
WF2-5K Kit only.

Weight 10 Sets, 11.7 pounds

## Open End WRENCHES



Proper hand forging of the finest alloy steel, modern heat treating methods, excellent design and years of experience are blended in the manufacture of Cornwell "Quality" End Wrenches. Feel the balance; note how it grips not two, but four sides of the nut. Compare Cornwell sets listed below and see that you can have the widest range of sizes with fewer wrenches.



### REGULAR LENGTH

Tool No.	Opp. Size	Length	Weight 10 Pcs.
EW-0810	1/4" x 3/16"	3 3/4"	0.4
EW-1012	3/16" x 3/8"	4 3/8"	0.8
EW-1214	3/8" x 7/16"	5"	1.0
EW-1416	7/16" x 1/2"	5 1/2"	1.3
EW-1618	1/2" x 9/16"	6"	1.8
EW-1820	9/16" x 5/8"	7 1/4"	2.6
EW-1922	1 1/32" x 1 1/16"	7 3/4"	2.8
EW-2022	5/8" x 1 1/16"	8"	3.0
EW-2024	5/8" x 3/4"	8 1/4"	3.8
EW-2224	1 1/16" x 3/4"	8 1/2"	4.0
EW-2426	3/4" x 13/16"	9 1/4"	4.9
EW-2428	3/4" x 3/8"	9 1/4"	5.3
EW-2526	23/32" x 13/16"	9 3/4"	6.2
EW-2628	13/16" x 7/8"	11 1/4"	7.3
EW-2830	7/8" x 1 1/16"	11 1/2"	8.7
EW-3032	13/16" x 1"	12 1/2"	10.3
EW-3034	13/16" x 1 1/16"	12 1/4"	11.0
EW-3236	1" x 1 1/8"	13 1/2"	12.5
EW-3436	1 1/16" x 1 1/8"	13 3/4"	14.2
EW-3440	1 1/16" x 1 1/4"	15"	15.5
EW-4042	1 1/4" x 1 3/16"	16 1/2"	19.5
EW-4446	1 3/8" x 1 7/16"	20"	25.0
EW-4852	1 1/2" x 1 3/8"	24"	38.0

### SPECIAL LENGTH

★ EW-3034L	13/16" x 1 1/16"	21"	17.3
EW-3640S	1 1/8" x 1 1/4"	14"	15.0
EW-4046L	1 1/4" x 1 7/16"	22"	31.3
EW-4244L	1 3/8" x 1 3/8"	22"	32.0

### OPEN END WRENCH SETS

#### WE-45 SET — 4 WRENCHES

##### Regular Length 3/8" to 3/4"

Consisting of: EW-1214, EW-1416, EW-1618, EW-1820 in WE-4K Kit.

WE-4 Wrenches only.

WE-4K Kit only.

Weight 10 Sets, 7.3 pounds

#### WE-65 SET — 6 WRENCHES

##### Regular Length 1/4" to 1 1/16"

Consisting of: EW-0810, EW-1214, EW-1618, EW-2022, EW-2426, EW-2830 in WE-6K Kit.

WE-6 Wrenches only.

WE-6K Kit only.

Weight 10 Sets, 21 pounds

#### WE-85 SET — 8 WRENCHES

##### Regular Length 3/16" to 1"

Consisting of: EW-1012, EW-1214, EW-1416, EW-1618, EW-1820, EW-2224, EW-2628, EW-3032 in WE-8K Kit

WE-8 Wrenches only.

WE-8K Kit only.

Weight 10 Sets, 32 pounds

#### WE-10S SET — 10 WRENCHES

##### Regular Length 3/16" to 1 3/8"

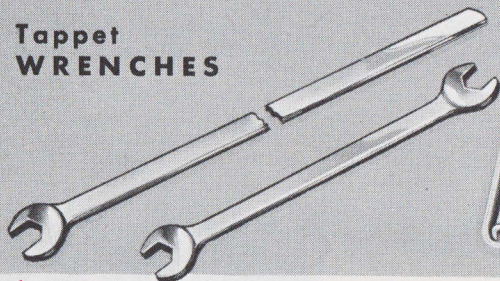
Consisting of: EW-1012, EW-1416, EW-1820, EW-2224, EW-2628, EW-3032, EW-3436, EW-4042, EW-4446, EW-4852 in WE-10K Kit.

WE-10 Wrenches only.

WE-10K Kit only

Weight 10 Sets, 127 pounds

## Tappet WRENCHES



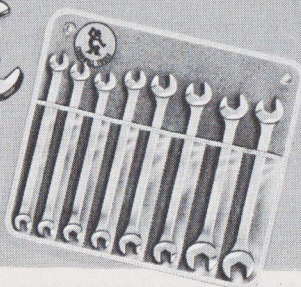
Strong and sturdy light weight wrenches, wafer thin for speed and convenience in tappet adjustment operations.

### TAPPET WRENCHES — Double End

Tool No.	Opg. Sizes	Hd. Thickness	Length	Weight 10 Pcs.
TW-1416	$\frac{7}{16}$ " x $\frac{1}{2}$ "	$\frac{1}{16}$ "	10"	1.8
TW-1618	$\frac{1}{2}$ " x $\frac{9}{16}$ "	$\frac{3}{16}$ "	10"	1.8
TW-2022	$\frac{5}{8}$ " x $\frac{1}{16}$ "	$\frac{1}{16}$ "	10"	2.8
TW-2428	$\frac{3}{4}$ " x $\frac{7}{8}$ "	$\frac{7}{32}$ "	10"	3.5

### Single End

TWS-12	$\frac{3}{8}$ "	$\frac{1}{4}$ "	12"	2.6
TWS-14A	$\frac{7}{16}$ "	$\frac{7}{32}$ "	14"	2.0
TWS-14B	$\frac{7}{16}$ "	$\frac{9}{32}$ "	14"	3.8
TWS-16A	$\frac{1}{2}$ "	$\frac{3}{16}$ "	14"	2.5
TWS-16B	$\frac{1}{2}$ "	$\frac{9}{32}$ "	14"	3.8
TWS-18A	$\frac{9}{16}$ "	$\frac{3}{16}$ "	14"	2.8
TWS-18B	$\frac{9}{16}$ "	$\frac{9}{32}$ "	14"	4.3



### TAPPET WRENCH SETS

#### WT-6S SET — 6 WRENCHES

Double End  $\frac{7}{16}$ " to  $\frac{1}{16}$ "

Consisting of two each: TW-1416, TW-1618, TW-2022 in WT-6K Kit.

WT-6 Wrenches only.

WT-6K Kit only.

Weight 10 Sets, 7 pounds

#### WT-8S SET — 8 WRENCHES

Double End  $\frac{7}{16}$ " to  $\frac{7}{8}$ "

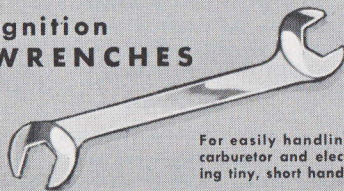
Consisting of two each: TW-1416, TW-1618, TW-2022, TW-2428 in WT-8K Kit.

WT-8 Wrenches only.

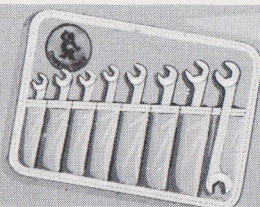
WT-8K Kit only.

Weight 10 Sets, 11 pounds

## Ignition WRENCHES



For easily handling those ignition, carburetor and electrical jobs requiring tiny, short handle tools.



Tool No.	Opg. Sizes	Length	Weight 10 Pcs.
IW-3	$\frac{1}{16}$ " x $\frac{1}{16}$ "	3"	0.3
IW-5	$\frac{7}{32}$ " x $\frac{1}{4}$ "	3"	0.3
IW-7	$\frac{1}{8}$ " x $\frac{1}{16}$ "	3"	0.3
IW-9	$\frac{1}{4}$ " x $\frac{7}{32}$ "	3"	0.3
IW-13	$\frac{7}{32}$ " x $\frac{3}{16}$ "	$3\frac{1}{2}$ "	0.4
IW-17	$\frac{3}{16}$ " x $\frac{9}{32}$ "	$3\frac{1}{2}$ "	0.4
IW-19	$\frac{1}{32}$ " x $\frac{3}{8}$ "	$3\frac{3}{4}$ "	0.5
IW-21	$\frac{3}{8}$ " x $\frac{1}{32}$ "	$3\frac{3}{4}$ "	0.5

### IGNITION WRENCH SET

#### WI-8S SET — 8 WRENCHES

Sizes  $\frac{1}{16}$ " to  $\frac{3}{8}$ "

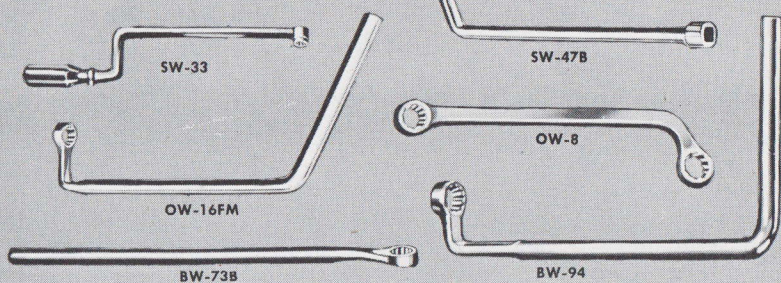
Consisting of: IW-3, IW-5, IW-7, IW-9, IW-13, IW-17, IW-19, IW-21 in WI-8K Kit.

WI-8 Wrenches only.

WI-8K Kit only.

Weight 10 Sets, 3.5 pounds

## Special WRENCHES



### DISTRIBUTOR WRENCHES

**FORD - MERCURY DISTRIBUTOR WRENCH**—For setting Distributors on Overhead Valve V-8 Ford and Mercury cars.

OW-16FM ½" 12 Point Box Wrench

Weight 10 Pcs., 6.2 pounds

**CHRYSLER AND DESOTO V-8 DISTRIBUTOR WRENCH**—Specially designed to reach behind the engine and under the fire wall Heater Assembly. (Similar to SW-47B).

SW-46A ½" 12 Pt. Box Wrench, ¾" Square Drive

Weight 10 Pcs., 3.3 pounds

**PLYMOUTH, DODGE, DESOTO AND CHRYSLER 6-CYLINDER DISTRIBUTOR WRENCH**—An exceptionally useful tool for setting most distributors. (Similar to OW-16FM).

SW-42 ⅞" 6 Pt. Box Wrench

Weight 10 Pcs., 5.7 pounds

**BUICK DISTRIBUTOR WRENCH**—For all Buick cars starting 1954. Thin enough to set all Buick Distributors.

SW-47B ⅞" 12 Pt. Box Wrench, ¾" Square Drive

Weight 10 Pcs., 5.0 pounds

### CHEVROLET IDLER ARM BRACKET WRENCH

This wrench is a great time saver for adjusting the Idler Arm Bracket on Chevrolets.

BW-73B ¾" 12 Point Box Wrench

Weight 10 Pcs., 16.8 pounds

### STARTING MOTOR WRENCH

A good wrench, designed specifically for breaking loose and tightening starter motor nuts.

BW-94 ¾" 12 Point Box Wrench

Weight 10 Pcs., 10.2 pounds

### FAN BLADE WRENCH

A socket type wrench for removing fan blades on Chrysler Cars. The fan is rotated with the wrench in position allowing easy removal of any or all blades.

SW-33 ½" 12 Point Socket Type Wrench

Weight 10 Pcs., 6.5 pounds

### MANIFOLD WRENCH

Designed especially for those hard-to-get-at nuts in a thousand and one places on the average car. Particularly good for manifold work on most cars.

OW-8 ½" 12 Pt. x ⅞" 12 Pt. x 7½" long

Weight 10 Pcs., 1.6 pounds

### OIL GAUGE WRENCH

The ever popular wrench for servicing oil gauges on Ford Cars. Does the job in a fraction of the time required with standard wrenches.

OG-5 ⅞" Special Bent End Wrench. ¾" Square Drive

Weight 10 Pcs., 2.3 pounds

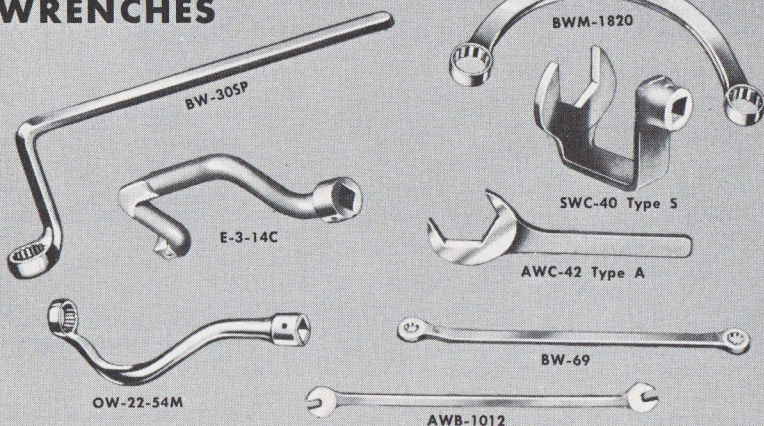
### DIESEL HEAD BOLT WRENCHES

The BW-18SP is designed for NH Series Cummins Diesel and the BW-30SP is for GMC Diesel. Illustration of BW-30SP is on page 32.

BW-18SP ⅞" Double Hex. Wgt. 10 pcs. 2.0 lbs.

BW-30SP 1⅞" Double Hex. Wgt. 10 pcs. 10.3 lbs.

## Special WRENCHES



### CYLINDER HEAD BOLT WRENCHES

**FORD-MERCURY HEAD WRENCH**—Designed specifically for Ford and Mercury overhead valve engines. Will effectively work under the Rocker Arm Assembly and Manifold.

OW-22-54M  $\frac{1}{16}$ " 12 Pt. Box Wrench,  $\frac{1}{2}$ " Square Drive  
Weight 10 Pcs., 5.5 pounds

**MERCURY WITH POWER BRAKE HEAD WRENCH**—To be used under the Rocker Arm Assembly on Overhead Valve Mercury Cars having power brakes. Similar to OW-22-54 M.

OW-22-54PB  $\frac{1}{16}$ " 12 Pt. Box Wrench,  $\frac{1}{2}$ " Square Drive  
Weight 10 Pcs., 3.8 pounds

**CHEVROLET - FORD - MERCURY HEAD BOLT EXTENSIONS**  
—Required for Chevrolet with Power Glide. Standard  $\frac{1}{2}$ " Square Drive Sockets are adaptable to tighten, loosen and torque head bolts. Also excellent under the manifold on Ford and Mercury Overhead Valve V-8 engines.

E-3-14C  $\frac{1}{2}$ " Female x  $\frac{1}{2}$ " Male Torque Adaptor-Extension  
Weight 10 Pcs., 8.4 pounds

**LINCOLN - WHITE TRUCK - FORD F-8 HEAD WRENCH**—This  $\frac{3}{4}$ " 12 Point Box Wrench with  $\frac{1}{2}$ " Square Drive is necessary to set Factory specified torque on Lincoln, Ford Truck and White Truck Head Bolts. Similar to OW-22-54 M.

SW-41  $\frac{3}{4}$ " 12 Pt. Box Wrench,  $\frac{1}{2}$ " Square Drive  
Weight 10 Pcs., 12.2 pounds

### BRAKE WRENCHES

The eccentric adjusting wrenches with their small openings are a great time saver for the brake repairman. The box wrench has double square openings particularly suitable for brake work as well as hydraulic drain plugs.

AWB-0608  $\frac{3}{16}$ " x  $\frac{1}{2}$ " x 9" long. Wgt. 10 pcs., 1.9 lbs.  
AWB-1012  $\frac{3}{16}$ " x  $\frac{3}{8}$ " x 9" long. Wgt. 10 pcs., 2.1 lbs.  
BW-69  $\frac{3}{16}$ " 8 Pt x  $\frac{1}{2}$ " 8 Pt. x 16" long. Wgt. 10 pcs., 9.8 lbs.

### HALF MOON WRENCHES

These wrenches are ideal for starter and manifold nuts, exhaust and carburetor flange nuts... They reach all those around-the-corner hidden nuts easily and quickly.

BWM-1416	$\frac{3}{16}$ " x $\frac{1}{2}$ "	Wgt. 10 pcs., 1.5 lbs.
BWM-1618	$\frac{1}{2}$ " x $\frac{1}{16}$ "	Wgt. 10 pcs., 1.8 lbs.
BWM-1820	$\frac{3}{16}$ " x $\frac{3}{8}$ "	Wgt. 10 pcs., 2.8 lbs.
BWM-2024	$\frac{3}{8}$ " x $\frac{3}{4}$ "	Wgt. 10 pcs., 3.2 lbs.

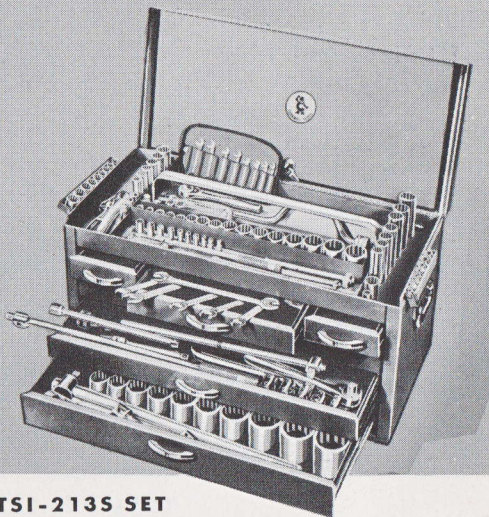
### FRONT END WRENCHES

These wrenches, designed for Caster-Camber adjustment on modern cars are thin and rugged. The wrench heads have been set at just the right angle with the handle to make the job easier and faster.

AWC-38F	$1\frac{1}{16}$ "	Type A	Wgt. 10 pcs., 2.8 lbs.
AWC-42	$1\frac{1}{16}$ "	Type A	Wgt. 10 pcs., 2.8 lbs.
AWC-45	$1\frac{1}{32}$ "	Type A	Wgt. 10 pcs., 2.8 lbs.
AWC-48	$1\frac{1}{2}$ "	Type A	Wgt. 10 pcs., 3.0 lbs.
SWC-40	$1\frac{1}{4}$ "	Type S	Wgt. 10 pcs., 4.8 lbs.
SWC-42	$1\frac{1}{8}$ "	Type S	Wgt. 10 pcs., 4.0 lbs.
SWC-44	$1\frac{1}{8}$ "	Type S	Wgt. 10 pcs., 4.5 lbs.

## INDUSTRIAL Master Tool Set

The Industrial Maintenance Set by Cornwell provides the Machine Repairman and Factory Troubleshooter with a recognized line of highest quality. Socket and tool sets include opening sizes  $\frac{1}{4}$ " through  $2\frac{3}{8}$ " and are furnished in  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ " drive sizes. Wrench openings from  $\frac{3}{16}$ " to  $1\frac{1}{2}$ " plus all popular and necessary pliers, screw drivers, hammers and other basic tools make this set complete in every detail.



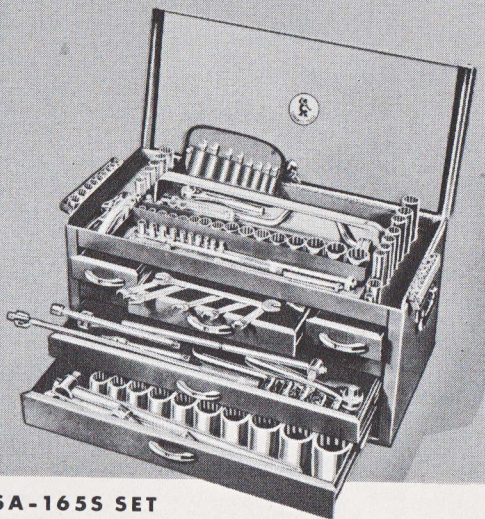
### TSI-2135 SET 213 TOOLS AND TOOL CHEST

Set No. Tool No.	Description	Shown On Page	Set No. Tool No.	Description	Shown On Page
TS-237	$\frac{3}{8}$ " Square Drive Tool Set—37 Tools.....	12	PD-306P	Phillips Screw Driver #3 Point.....	52
TS-337	$\frac{1}{2}$ " Square Drive Tool Set—37 Tools.....	17	PD-408P	Phillips Screw Driver #4 Point.....	52
TS-531	$\frac{3}{4}$ " Square Drive Tool Set—31 Tools.....	20	PB-5	Pry Bar and Lining-up Punch.....	43
WE-10	Open End Wrench Set— $\frac{3}{16}$ " to $1\frac{1}{2}$ "— 10 Tools.....	29	420	9 $\frac{1}{2}$ " Pump Plier.....	
WB1-9	Box Wrench Set— $\frac{3}{16}$ " to $1\frac{1}{2}$ "—9 Tools..	25	424	4 $\frac{1}{2}$ " Ignition Plier.....	
WC1-20	Combination Wrench Set— $\frac{3}{16}$ " to $1\frac{1}{2}$ "— 20 Tools.....	27	537	7" Slip Joint Plier with Side Cutter.....	
WF2-8	Flare Nut Wrench Set— $\frac{3}{8}$ " to $\frac{7}{8}$ "—8 Tools	28	337	7" Diagonal Cutting Plier.....	
HWK-14S	Hex Head Wrench Set—.050 to $\frac{3}{8}$ "— 14 Tools and Kit.....	53	317 $\frac{1}{2}$	7 $\frac{1}{2}$ " Long Nose Plier with Side Cutter....	
CK-10S	Punch and Chisel Set—17 Tools and Kit..	42	407	7" Gripping Plier.....	
SSD-6P	Screw Driver Set for Slotted Screws— 6 Tools.....	51	P-85	10" Vise Grip Plier with Cutter.....	
SDO-4S	Offset Screw Driver Set—4 Tools and Kit.	51	H-4C	4 Oz. Ball Pien Hammer.....	
PSS-2	Screw Starter.....	51	H-12C	12 Oz. Ball Pien Hammer.....	
PD-103P	Phillips Screw Driver #1 Point.....	52	H-32C	2 Lb. Ball Pien Hammer.....	
PD-204P	Phillips Screw Driver #2 Point.....	52	PT-16	1 Lb. Plastic Tip Hammer.....	
			HSF-5	Hack Saw for 10" or 12" Blades.....	
			Y-5	Junior Hack Saw for 6" Blades.....	
			308-WL	8' Steel Tape Rule—White face.....	
			TSI-213 Tools only		
			5K-24 Tool Chest and Tray only		

**Note:** Where page number is not given, tool description will be found in second section of catalog

## MECHANICS Master Tool Set

Complete Socket Sets including all the necessary Handles and Attachments are furnished in  $\frac{1}{4}$ ",  $\frac{3}{8}$ " and  $\frac{1}{2}$ " Square Drives. Socket openings range from  $\frac{3}{16}$ " to  $1\frac{1}{4}$ " and wrench openings from  $1\frac{3}{4}$ " to  $1\frac{1}{2}$ ". A wide selection of popular and necessary pliers, screw drivers, hammers and other basic tools makes this set the dream of all good mechanics.



### TSA-165S SET 165 TOOLS AND TOOL CHEST

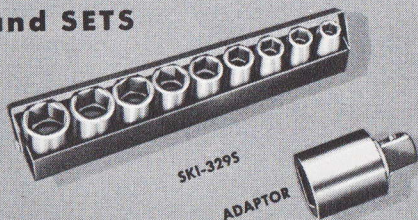
Set No. Tool No.	Description	Shown On Page	Set No. Tool No.	Description	Shown On Page
TS-015S	$\frac{1}{4}$ " Square Drive Tool Set— 15 Tools and Box.....	7	PD-204P	Phillips Screw Driver #2 Point.....	52
TS-237	$\frac{3}{8}$ " Square Drive Tool Set—37 Tools....	12	PD-306P	Phillips Screw Driver #3 Point.....	52
TS-325	$\frac{1}{2}$ " Square Drive Tool Set—25 Tools....	17	PD-408P	Phillips Screw Driver #4 Point.....	52
WB1-9	Box Wrench Set— $\frac{7}{16}$ " to $1\frac{1}{2}$ "—9 Tools..	25	SD-135	Spark Testing Screw Driver.....	56
WBS1-6	Box Wrench Set, Short Length— $\frac{3}{8}$ " to $\frac{3}{4}$ " —6 Tools.....	25	PB-5	Pry Bar and Lining-up Punch.....	43
WE-8	Open End Wrench Set— $\frac{3}{16}$ " to 1"—8 Tools	29	H-4C	4 Oz. Ball Pien Hammer.....	
WT-6	Tappet Wrench Set— $\frac{7}{16}$ " to $1\frac{1}{16}$ "—6 Tools	30	H-12C	12 Oz. Ball Pien Hammer.....	
WI-8S	Ignition Wrench Set and Kit— $\frac{1}{16}$ " to $\frac{3}{8}$ " —8 Tools.....	30	PT-16	1 Lb. Plastic Tip Hammer.....	
HWK-9S	Hex Head Wrench Set—.050 to $\frac{1}{4}$ "— 9 Tools and Kit.....	53	FG-8	Spark Plug Gauge.....	
CK-10S	Punch and Chisel Set—17 Tools and Kit..	42	FG-10	Combination Ignition and Feeler Gauge...	
SSD-6P	Screw Driver Set for Slotted Screws— 6 Tools.....	51	HSF-5	Hack Saw for 10" and 12" Blades.....	
PSS-2	Screw Starter.....	51	424	$4\frac{1}{2}$ " Ignition Plier.....	
PD-103P	Phillips Screw Driver #1 Point.....	52	537	7" Slip Joint Plier with Side Cutter.....	
			337	7" Diagonal Cutting Plier.....	
			317 1/2	$7\frac{1}{2}$ " Long Nose Plier with Side Cutter...	
			407	7" Gripping Plier.....	
			X-30	Wire Brush.....	

TSA-165 Tools only

SK-24 Tool Chest and Tray only

**Note:** Where page number is not given, tool description will be found in second section of Catalog

## POWER SOCKETS and SETS



HEXAGON



DOUBLE SQUARE

SOCKETS

Cornwell offers a complete line of Power, Impact Sockets and Attachments long regarded as the finest available. We are unable to show a complete listing on these pages and invite industrial users to request Industrial Catalog I-53.

Impact sockets in 1 1/2" and 2 1/2" square drives are being manufactured in openings for hexagon and square bolts and nuts in sizes up to and including 8" across flats. Address your requests to your Distributor or to the Factory at Mogadore.

### POWER SOCKET SET

A complete set of 1/2" drive chrome plated sockets is available in hexagon openings from 3/8" to 7/8". These sockets are packed in a steel tray with carrying handle and lip to hang the tray if desired. CORNWELL power sockets are all hot broached for greater strength and accuracy and the finest alloy steels are properly heat treated for maximum wear and durability.

#### SKI-3295 SET — 1/2" SQUARE DRIVE

##### Nine Sockets — Sizes 3/8" to 7/8"

Consisting of: P-3212Y, 3/8"; P-3214Y, 7/8"; P-3216Y, 1/2"; P-3218Y, 5/8"; P-3220Y, 3/4"; P-3222Y, 1 1/8"; P-3224Y, 3/4"; P-3226Y, 1 1/4"; P-3228Y, 3/4" in SKI-329T Tray.

SKI-329 Sockets only.

SKI-329T Tray only.

Weight 10 Sets, 21.0 pounds

### 3/8" SQUARE DRIVE Single Hexagon Sockets

Opp. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length 10 Pcs.	Weight 10 Pcs.	Tool No.	Length 10 Pcs.	Weight 10 Pcs.
3/8"	P-2210	7/8"	0.5	P-2210L	1 1/2"	1.0
1 1/32"	P-2211	7/8"	0.5	P-2211L	1 1/2"	1.0
3/8"	P-2212	7/8"	0.5	P-2212L	1 1/2"	1.0
3/8"	P-2214	7/8"	0.5	P-2214L	1 1/2"	1.0
1/2"	P-2216	7/8"	0.6	P-2216L	1 1/2"	1.0
1 1/32"	P-2217	7/8"	0.6	.....	.....	..
9/16"	P-2218	7/8"	0.8	P-2218L	1 1/2"	1.1
1 1/32"	P-2219	7/8"	0.9	.....	.....	..
3/4"	P-2220	7/8"	0.9	P-2220L	1 1/2"	1.4
1 1/16"	P-2222	1"	1.3	P-2222L	1 1/2"	1.8
3/4"	P-2224	1"	1.8	P-2224L	1 1/2"	2.3

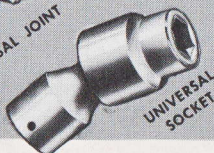
### 3/8" SQUARE DRIVE Double Square Sockets

Opp. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length 10 Pcs.	Weight 10 Pcs.	Tool No.	Length 10 Pcs.	Weight 10 Pcs.
1/4"	P-2308	1 3/8"	0.5	.....	.....	..
5/32"	P-2309	1 3/8"	0.6	.....	.....	..
3/16"	P-2310	1 3/8"	0.6	P-2310L	1 3/4"	1.3
1 1/32"	P-2311	1 3/8"	0.6	.....	.....	..
3/8"	P-2312	1 3/8"	0.6	P-2312L	1 3/4"	1.3
7/16"	P-2314	1"	0.8	P-2314L	1 3/4"	1.8
1/2"	P-2316	1 1/8"	1.1	P-2316L	1 3/4"	2.0
9/16"	P-2318	1 1/8"	1.8	P-2318L	1 3/4"	2.1
3/4"	P-2320	1 1/8"	2.0	P-2320L	1 3/4"	2.6
1 1/16"	P-2322	1 1/4"	2.3	.....	.....	..

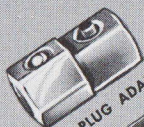
## POWER SOCKET ATTACHMENTS



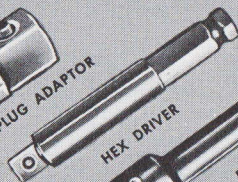
UNIVERSAL JOINT



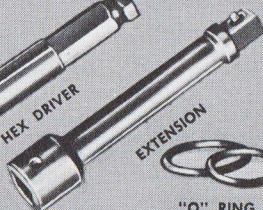
UNIVERSAL SOCKET



PLUG ADAPTOR



HEX DRIVER



EXTENSION



"O" RING

THRU PIN

### 1/2" SQUARE DRIVE

#### Single Hexagon Sockets

Opp. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length	Weight 10 Pcs.	Tool No.	Length	Weight 10 Pcs.
3/8"	P-3212	1 1/2"	1.5	P-3212L	3 1/4"	3.5
7/16"	P-3214	1 1/2"	1.5	P-3214L	3 1/4"	3.5
1/2"	P-3216	1 1/2"	1.8	P-3216L	3 1/4"	4.0
1 1/32"	P-3217	1 1/2"	1.8	.....	.....	..
9/16"	P-3218	1 1/2"	1.8	P-3218L	3 1/4"	4.0
1 1/32"	P-3219	1 1/2"	1.8	P-3219L	3 1/4"	4.5
5/8"	P-3220	1 1/2"	2.0	P-3220L	3 1/4"	5.0
2 1/32"	P-3221	1 1/2"	2.0	.....	.....	..
1 1/16"	P-3222	1 1/2"	2.0	P-3222L	3 1/4"	5.1
3/4"	P-3224	1 1/2"	2.4	P-3224L	3 1/4"	5.4
2 3/32"	P-3225	1 1/2"	2.6	.....	.....	..
13/16"	P-3226	1 1/2"	2.8	P-3226L	3 1/4"	6.3
7/8"	P-3228	1 1/2"	3.3	P-3228L	3 1/2"	7.6
2 29/32"	P-3229	1 1/2"	3.5	.....	.....	..
1 1/8"	P-3230	1 3/4"	4.5	P-3230L	3 1/2"	8.5
3 1/32"	P-3231	1 3/4"	4.5	.....	.....	..
1"	P-3232	1 3/4"	5.0	P-3232L	3 1/2"	9.0
1 1/16"	P-3234	2"	6.0	P-3234L	3 1/2"	10.6
1 1/8"	P-3236	2"	7.4	P-3236L	3 1/2"	11.5
1 3/8"	P-3238	2"	8.0	.....	.....	..
1 1/4"	P-3240	2"	8.3	.....	.....	..

### MAGNETIC SOCKETS

Magnetic Sockets for driving Self Tapping Screws and Deep Sockets with retracting magnets, a patented feature, are manufactured from finest Alloy Steel and specially heat treated for maximum life. The powerful Alnico magnet securely retains the screw from falling from the socket. The retracting magnet provides bolt clearance where necessary. Request Industrial Catalog I-53 for complete listing.

### 1/2" SQUARE DRIVE

#### Square and Double Square Sockets

Opp. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length	Weight 10 Pcs.	Tool No.	Length	Weight 10 Pcs.
3/8"	P-3312	1 1/2"	1.8	P-3412L	3 1/4"	6.5
7/16"	P-3314	1 1/2"	1.9	P-3414L	3 1/4"	6.8
1/2"	P-3316	1 1/2"	2.0	P-3416L	3 1/4"	6.8
9/16"	P-3318	1 1/2"	2.1	P-3418L	3 1/4"	6.8
1 1/32"	P-3319	1 1/2"	2.3	.....	.....	..
5/8"	P-3320	1 1/2"	2.5	P-3320L	3 1/4"	6.8
1 1/16"	P-3322	1 1/2"	3.1	P-3322L	3 1/4"	7.3
3/4"	P-3324	1 1/2"	3.6	P-3324L	3 1/4"	7.5
13/16"	P-3326	1 1/2"	4.3	P-3326L	3 1/4"	9.5
7/8"	P-3328	1 1/2"	6.3	P-3328L	3 1/4"	11.0
1 1/8"	P-3330	1 3/4"	6.6	P-3330L	3 1/2"	12.3
1"	P-3332	1 3/4"	7.3	P-3332L	3 1/2"	15.5
1 1/16"	P-3334	2"	10.3	.....	.....	..

### 5/8" SQUARE DRIVE

#### Single Hexagon Sockets

Opp. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length	Weight 10 Pcs.	Tool No.	Length	Weight 10 Pcs.
1/2"	I-4216	1 1/2"	3.4	.....	.....	..
9/16"	I-4218	1 1/2"	3.5	I-4218L	3 1/2"	8.5
5/8"	I-4220	1 1/2"	3.5	I-4220L	3 1/2"	8.5
1 1/16"	I-4222	1 3/4"	3.6	I-4222L	3 1/2"	8.5
3/4"	I-4224	1 3/4"	3.8	I-4224L	3 1/2"	8.5
13/16"	I-4226	1 3/4"	3.9	I-4226L	3 1/2"	8.5
7/8"	I-4228	1 3/4"	4.0	I-4228L	3 1/2"	8.5
1 1/8"	I-4230	2"	5.0	I-4230L	3 1/2"	9.0
1"	I-4232	2"	5.4	I-4232L	3 1/2"	9.3
1 1/16"	I-4234	2"	6.4	I-4234L	3 1/2"	11.5
1 1/8"	I-4236	2"	6.5	I-4236L	3 1/2"	13.5
1 1/4"	I-4238	2"	8.4	I-4238L	3 1/2"	14.5
1 3/8"	I-4240	2 1/4"	9.5	I-4240L	3 1/2"	14.8
1 1/2"	I-4242	2 1/4"	10.8	I-4242L	3 1/2"	15.0
1 3/8"	I-4244	2 1/4"	12.0	I-4244L	3 1/2"	16.0
1 7/8"	I-4246	2 1/4"	11.5	I-4246L	3 1/2"	17.4
1 1/2"	I-4248	2 3/8"	13.5	I-4248L	3 1/2"	18.8

# POWER SOCKETS & ATTACHMENTS

## 5/8" SQUARE DRIVE

### Square and Double Square Sockets

Opp. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length	Weight 10 Pcs.	Tool No.	Length	Weight 10 Pcs.
3/8"	I-4412	1 1/2"	3.8	.....	....	...
7/16"	I-4414	1 1/2"	3.8	.....	....	...
1/2"	I-4416	1 1/2"	4.0	.....	....	...
9/16"	I-4418	1 1/2"	4.0	I-4418L	3 1/2"	8.5
5/8"	I-4420	1 1/2"	4.1	I-4420L	3 1/2"	8.8
1 1/16"	I-4322	1 3/4"	4.1	I-4322L	3 1/2"	8.8
3/4"	I-4324	1 3/4"	4.5	I-4324L	3 1/2"	9.0
13/16"	I-4326	1 3/4"	5.1	I-4326L	3 1/2"	10.0
7/8"	I-4328	1 3/4"	6.3	I-4328L	3 1/2"	12.5
15/16"	I-4330	2"	6.6	I-4330L	3 1/2"	14.6
1"	I-4332	2"	6.9	I-4332L	3 1/2"	17.0
1 1/16"	I-4334	2"	8.0	I-4334L	3 1/2"	18.0
1 1/8"	I-4336	2"	10.9	I-4336L	3 1/2"	21.0
1 1/16"	I-4338	2"	13.3	.....	....	...
1 1/4"	I-4340	2 1/8"	13.5	.....	....	...
1 3/16"	I-4342	2 1/8"	14.3	.....	....	...
1 3/8"	I-4344	2 1/4"	18.0	.....	....	...

## 3/4" SQUARE DRIVE

### Single Hexagon Sockets

Opp. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length	Weight 10 Pcs.	Tool No.	Length	Weight 10 Pcs.
1/2"	I-5216	2 1/8"	7.0	I-5216L	3 1/2"	14.0
9/16"	I-5218	2 1/8"	7.0	I-5218L	3 1/2"	13.5
5/8"	I-5220	2 1/8"	7.1	I-5220L	3 1/2"	13.3
11/16"	I-5222	2 1/8"	7.3	I-5222L	3 1/2"	13.0
3/4"	I-5224	2 1/4"	9.0	I-5224L	3 1/2"	13.0
13/16"	I-5226	2 1/4"	9.0	I-5226L	3 1/2"	12.8
7/8"	I-5228	2 1/4"	9.0	I-5228L	3 1/2"	12.5
15/16"	I-5230	2 3/8"	9.3	I-5230L	3 1/2"	12.5
1"	I-5232	2 3/8"	9.4	I-5232L	3 1/2"	13.0
1 1/16"	I-5234	2 1/2"	9.8	I-5234L	3 1/2"	13.8
1 1/8"	I-5236	2 1/2"	10.8	I-5236L	3 1/2"	14.4
1 1/16"	I-5238	2 1/2"	12.1	I-5238L	3 1/2"	16.3
1 1/4"	I-5240	2 3/8"	14.5	I-5240L	3 3/4"	20.5
1 3/16"	I-5242	2 3/8"	15.8	I-5242L	3 3/4"	21.4
1 3/8"	I-5244	2 3/4"	16.5	I-5244L	3 3/4"	21.5
1 7/16"	I-5246	2 3/4"	17.8	I-5246L	3 3/4"	23.0
1 1/2"	I-5248	2 3/4"	20.5	I-5248L	3 3/4"	27.0
1 3/8"	I-5252	2 3/4"	22.8	.....	....	...

## 3/4" SQUARE DRIVE

### Square and Double Square Sockets

Opp. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length	Weight 10 Pcs.	Tool No.	Length	Weight 10 Pcs.
1/2"	I-5416	2 1/4"	7.1	I-5416L	3 1/2"	14.0
9/16"	I-5418	2 1/4"	7.0	I-5418L	3 1/2"	14.0
5/8"	I-5420	2 1/4"	7.0	I-5420L	3 1/2"	14.5
11/16"	I-5422	2 1/4"	7.5	I-5422L	3 1/2"	14.0
3/4"	I-5424	2 3/8"	8.3	I-5424L	3 1/2"	13.3
13/16"	I-5326	2 3/8"	9.0	I-5326L	3 1/2"	15.5
7/8"	I-5328	2 3/8"	9.0	I-5328L	3 1/2"	16.0
15/16"	I-5330	2 3/8"	10.3	I-5330L	3 1/2"	16.8
1"	I-5332	2 3/8"	11.6	I-5332L	3 1/2"	20.1
1 1/16"	I-5334	2 1/2"	14.5	I-5334L	3 1/2"	21.3
1 1/8"	I-5336	2 1/2"	16.8	I-5336L	3 1/2"	24.3
1 1/16"	I-5338	2 1/2"	17.8	I-5338L	3 1/2"	26.8
1 3/16"	I-5340	2 3/8"	20.8	I-5340L	3 3/4"	30.8
1 3/8"	I-5342	2 3/8"	22.3	I-5342L	3 3/4"	33.5

## 1" SQUARE DRIVE

### Single Hexagon Sockets

Opp. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length	Weight 10 Pcs.	Tool No.	Length	Weight 10 Pcs.
5/8"	I-6220	2 7/16"	13.5	.....	....	...
3/4"	I-6224	2 7/16"	14.5	I-6224L	3 1/2"	24.5
13/16"	I-6226	2 1/2"	15.0	I-6226L	3 1/2"	24.5
7/8"	I-6228	2 1/2"	15.0	I-6228L	3 1/2"	23.8
15/16"	I-6230	2 9/16"	16.0	I-6230L	3 1/2"	23.5
1"	I-6232	2 9/16"	16.0	I-6232L	3 1/2"	23.2
1 1/16"	I-6234	2 11/16"	16.6	I-6234L	3 1/2"	23.0
1 1/8"	I-6236	2 11/16"	17.0	I-6236L	3 1/2"	23.3
1 1/4"	I-6240	2 3/4"	17.5	I-6240L	3 3/4"	23.5
1 1/16"	I-6242	2 7/8"	17.6	I-6242L	3 3/4"	23.6
1 3/8"	I-6244	2 3/4"	17.8	I-6244L	3 3/4"	23.6
1 7/16"	I-6246	2 13/16"	19.5	I-6246L	3 3/4"	23.8
1 1/2"	I-6248	3"	19.5	I-6248L	3 3/4"	24.0
1 5/8"	I-6252	3"	23.5	I-6252L	3 3/8"	27.0
1 11/16"	I-6254	3"	26.0	I-6254L	3 3/8"	30.3
1 13/16"	I-6258	3 1/4"	33.0	I-6258L	4"	36.5
1 7/8"	I-6260	3 1/4"	33.4	I-6260L	4"	37.0
2"	I-6264	3 3/8"	40.8	I-6264L	4 1/4"	43.0
2 1/16"	I-6266	3 3/8"	41.2	I-6266L	4 1/4"	44.5
2 3/16"	I-6270	3 1/2"	47.5	I-6270L	4 1/2"	51.0
2 1/4"	I-6272	3 1/2"	48.5	I-6272L	4 1/2"	52.0
2 3/8"	I-6276	3 3/8"	54.0	I-6276L	4 1/2"	59.0
2 1/2"	I-6278	3 3/8"	54.5	.....	....	...
2 5/8"	I-6282	3 3/4"	60.0	.....	....	...
2 3/16"	I-6284	3 3/4"	61.3	.....	....	...
2 3/4"	I-6288	4"	61.3	.....	....	...
2 13/16"	I-6290	4"	73.8	.....	....	...
2 15/16"	I-6294	4 1/8"	80.0	.....	....	...
3"	I-6296	4 1/8"	87.3	.....	....	...
3 1/8"	I-62100	4 3/8"	95.0	.....	....	...
3 3/8"	I-62108	4 3/8"	110.0	.....	....	...
3 1/2"	I-62112	4 3/4"	116.0	.....	....	...

# POWER SOCKETS & ATTACHMENTS

## 1" SQUARE DRIVE

### Square and Double Square Sockets

Opg. Size	REGULAR LENGTH			DEEP LENGTH		
	Tool No.	Length	Weight 10 Pcs.	Tool No.	Length	Weight 10 Pcs.
3/4"	I-6424	2 1/2"	16.0	.....	.....	...
1 1/16"	I-6426	2 3/16"	18.0	I-6426L	3 1/2"	25.0
7/8"	I-6428	2 3/8"	18.3	I-6428L	3 1/2"	25.0
1 1/8"	I-6430	2 3/4"	18.5	I-6430L	3 1/2"	25.0
1"	I-6432	2 3/4"	18.4	I-6432L	3 1/2"	25.0
1 1/16"	I-6434	2 3/4"	18.3	I-6434L	3 1/2"	24.3
1 1/8"	I-6436	2 3/4"	18.4	I-6436L	3 1/2"	22.5
1 1/4"	I-6340	2 3/8"	20.5	I-6340L	3 3/4"	31.3
1 3/16"	I-6342	2 3/8"	26.0	I-6342L	3 3/4"	32.0
1 3/8"	I-6344	3"	27.0	I-6344L	3 3/4"	33.2
1 7/8"	I-6346	3"	29.0	I-6346L	3 3/4"	37.5
1 1/2"	I-6348	3 1/8"	31.0	I-6348L	3 3/8"	43.0
1 5/8"	I-6352	3 1/8"	36.0	I-6352L	3 3/8"	43.5
1 11/16"	I-6354	3 1/8"	37.5	I-6354L	3 3/8"	49.0
1 13/16"	I-6358	3 1/4"	46.0	I-6358L	4"	51.1
1 7/8"	I-6360	3 1/8"	50.3	I-6360L	4"	55.7
2"	I-6364	3 1/8"	54.0	I-6364L	4 1/4"	61.0
2 1/16"	I-6366	3 1/8"	56.1	I-6366L	4 1/4"	70.0
2 3/16"	I-6370	3 1/8"	57.9	I-6370L	4 1/2"	76.0
2 1/4"	I-6372	3 1/8"	67.5	I-6372L	4 1/2"	78.0
2 3/8"	I-6376	3 1/16"	80.0	I-6376L	4 1/2"	85.0
2 1/8"	I-6382	3 1/16"	90.0	.....	.....	...

## 1 1/2" SQUARE DRIVE

### Single Hexagon Sockets

Opg. Size	Tool No.	Length	Weight 10 Pcs.
1 7/16"	I-8246	3 1/16"	57.1
1 1/2"	I-8248	3 1/16"	57.5
1 3/8"	I-8252	3 1/16"	59.0
1 11/16"	I-8254	3 1/16"	59.5
1 13/16"	I-8258	4"	60.0
1 7/8"	I-8260	4"	60.5
2"	I-8264	4"	61.6
2 1/16"	I-8266	4 1/8"	75.0
2 3/16"	I-8270	4 1/4"	76.0
2 1/4"	I-8272	4 3/8"	90.1
2 3/8"	I-8276	4 3/16"	100.0
2 7/8"	I-8278	4 3/16"	103.0
2 1/8"	I-8282	4 3/4"	105.0
2 3/8"	I-8284	4 3/4"	115.0
2 3/4"	I-8288	4 7/8"	120.5
2 13/16"	I-8290	4 7/8"	130.0
2 15/16"	I-8294	5"	135.0
3"	I-8296	5"	137.0
3 1/8"	I-82100	5 1/8"	140.0
3 3/8"	I-82108	5 3/16"	160.0
3 1/2"	I-82112	5 3/16"	162.4

## POWER-IMPACT EXTENSIONS

Tool No.	DRIVE SIZES		Length	Weight 10 Pcs.
	Female	Male		
EP-2-3	3/4"	3/4"	3"	1.3
EP-2-6	3/8"	3/8"	6"	2.5
EP-2-9	3/8"	3/8"	9"	3.5
EP-2-12	3/8"	3/8"	12"	4.1
EP-3-2	1/2"	1/2"	2"	2.5
EP-3-5	1/2"	1/2"	5"	4.0
EP-3-10	1/2"	1/2"	10"	9.1
EP-3-20	1/2"	1/2"	20"	17.8
EP-4-4	5/8"	5/8"	4"	6.8
EP-4-6	5/8"	5/8"	6"	9.5
EP-4-8	5/8"	5/8"	8"	12.5
EP-4-12	5/8"	5/8"	12"	18.0
EP-5-4	3/4"	3/4"	3 1/2"	12.0
EP-5-7	3/4"	3/4"	7"	24.5
EP-5-10	3/4"	3/4"	10"	34.3
EP-5-13	3/4"	3/4"	13"	45.0
EP-6-4	1"	1"	3 1/2"	20.0
EP-6-6	1"	1"	6"	31.3
EP-6-9	1"	1"	9"	52.0
EP-6-12	1"	1"	12"	65.0
EP-6-22	1"	1"	22"	110.0
EP-8-8	1 1/2"	1 1/2"	8"	110.0
EP-8-16	1 1/2"	1 1/2"	16"	220.0

## POWER-IMPACT ADAPTORS

Tool No.	DRIVE SIZES		Length	Weight 10 Pcs.
	Female	Male		
AP-23	3/8"	1/2"	1 1/2"	2.0
AP-32	1/2"	3/8"	1 1/2"	2.6
AP-34	1/2"	5/8"	1 3/32"	4.3
AP-35	1/2"	3/4"	1 7/32"	4.5
AP-43	5/8"	1/2"	1 5/8"	3.0
AP-45	5/8"	3/4"	1 11/32"	5.5
AP-53	3/4"	1/2"	2 3/32"	6.4
AP-54	3/4"	5/8"	2 1/8"	6.5
AP-56	3/4"	1"	2 3/8"	14.0
AP-64	1"	5/8"	2 1/2"	14.5
AP-65	1"	3/4"	2 1/2"	12.5
AP-86	1 1/2"	1"	3 1/8"	49.5

## SOCKET PLUG ADAPTORS

Tool No.	Square Drive	Hex Drive	Length	Weight 10 Pcs.
AP-014	1/4"	7/16"	1 1/16"	0.3
AP-214	3/8"	7/16"	1 1/16"	0.4
AP-316	1/2"	1/2"	1 1/4"	0.8
AP-318	1/2"	9/16"	1 1/4"	0.9
AP-320	1/2"	5/8"	1 1/4"	1.0
AP-322	1/2"	1 1/16"	1 1/4"	1.0
AP-324	1/2"	3/4"	1 1/4"	1.1
AP-326	1/2"	13/16"	1 1/4"	1.3
AP-328	1/2"	7/8"	1 1/4"	1.5
AP-534	3/4"	1 1/16"	1 7/8"	4.0

# POWER SOCKETS & ATTACHMENTS

## HEX DRIVERS OR SHANKS

Tool No.	DRIVE SIZES		Length	Weight 10 Pcs.
	Square	Hex		
D-008-2	1/4"	1/4"	2"	0.4
D-008-3	1/4"	1/4"	3"	0.7
D-008-4	1/4"	1/4"	4"	1.0
D-008-6	1/4"	1/4"	6"	1.6
D-208-2	3/8"	1/4"	2"	0.5
D-210-3	3/8"	3/16"	2 1/2"	1.0
D-210-4	3/8"	3/16"	4"	1.8
D-210-6	3/8"	3/16"	6"	2.8
D-214-2	3/8"	7/16"	1 3/8"	0.8
D-214-3	3/8"	7/16"	2 3/4"	1.3
D-214-5	3/8"	7/16"	5"	2.5
D-214-8	3/8"	7/16"	8"	4.0
D-214-12	3/8"	7/16"	12"	12.5
D-214-18	3/8"	7/16"	18"	9.6
D-314-2	1/2"	7/16"	1 13/16"	1.0
D-314-3	1/2"	7/16"	2 3/4"	1.8
D-314-5	1/2"	7/16"	5"	4.2
D-314-8	1/2"	7/16"	8"	7.4
D-314-12	1/2"	7/16"	12"	12.5
D-314-18	1/2"	7/16"	18"	17.3
D-314-20	1/2"	7/16"	20"	19.6
D-314-22	1/2"	7/16"	22"	21.5
D-320-3	1/2"	5/8"	3"	2.6
D-320-5	1/2"	5/8"	5"	5.4
D-320-8	1/2"	5/8"	8"	9.0
D-320-12	1/2"	5/8"	12"	14.0
D-320-18	1/2"	5/8"	18"	21.0
D-320-22	1/2"	5/8"	22"	26.0
D-420-3	5/8"	5/8"	3"	3.1
D-420-5	5/8"	5/8"	5"	6.0
D-420-8	5/8"	5/8"	8"	10.6
D-420-12	5/8"	5/8"	12"	16.0
D-420-18	5/8"	5/8"	18"	24.8

## POWER UNIVERSAL JOINTS — BALL TYPE

Tool No.	Square Drive	Type Retainer	OIA. Length	Weight 10 Pcs.
UBJ-2	3/8"	Pin	2 1/16"	1.5
UBJ-2B	3/8"	Ball	2 1/16"	1.5
UBJ-3	1/2"	Pin	2 1/2"	3.3
UBJ-3B	1/2"	Ball	2 1/2"	3.3

## POWER UNIVERSAL SOCKETS — BALL TYPE

Tool No.	Square Drive	Opg. Size	O.A. Length	Weight 10 Pcs.
UB-2212	3/8"	3/8"	2 1/4"	1.1
UB-2214	3/8"	7/16"	2 3/16"	1.2
UB-2216	3/8"	1/2"	2 3/8"	1.4
UB-2218	3/8"	9/16"	2 7/16"	1.6
UB-2220	3/8"	5/8"	2 7/16"	1.7
UB-3214	1/2"	1/2"	2 7/16"	2.5
UB-3216	1/2"	1/2"	2 1/2"	2.6
UB-3218	1/2"	9/16"	2 1/2"	2.7
UB-3220	1/2"	3/4"	2 9/16"	2.8
UB-3222	1/2"	1 1/16"	2 5/8"	3.0
UB-3224	1/2"	3/4"	2 11/16"	3.1
UB-3226	1/2"	13/16"	2 3/4"	3.6
UB-3228	1/2"	7/8"	2 13/16"	4.0

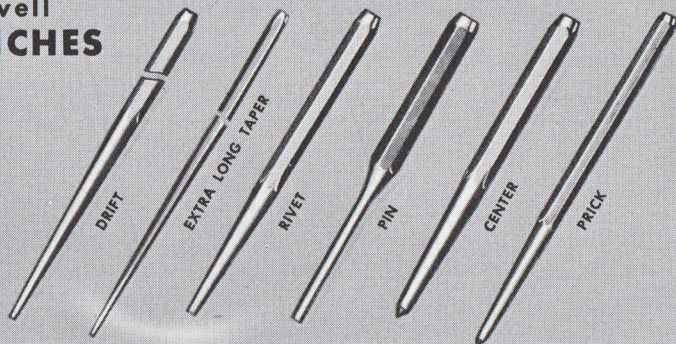
## THRU SOCKET PINS

Pin No.	Used On	
SP-32	I-6220 thru I-6256	I-6424 thru I-6436
	I-6224L thru I-6256L	I-6426L thru I-6436L
	I-6338 thru I-6346	EP-6-4, 6, 9, 12, 22
	I-6338L thru I-6346L	AP-64, 65
SP-36	I-6258 thru I-62116	I-6348 thru I-6382
	I-6258L thru I-6276L	I-6348L thru I-6376L
SP-40	I-8246 thru I-82112	EP-8-8, 16; AP-86

## "O" RINGS

Ring No.	Used On	
RIB-35	I-6254 thru I-6260	I-6342 thru I-6348
	I-6254L thru I-6260L	I-6342L thru I-6348L
RIB-38	I-6262 thru I-6294	I-6350 thru I-6376
	I-6262L thru I-6276L	I-6350L thru I-6376L
RIB-41	I-6296 thru I-62108	I-8246 thru I-8270
	I-6382	EP-8-8, 16; AP-86
RIB-45	I-62112 thru I-62116	I-8272 thru I-82112

# Cornwell PUNCHES



Punches must be properly manufactured from the finest alloy steel to withstand the multitude of operations required. The shock of driving hardened pins precludes extreme hardness without danger of fracture. The strain of prying in lining up work, or driving "frozen" pins makes the best manufacturing and heat treating methods mandatory. The finest punches available are offered by Cornwell.

## DRIFT PUNCHES

Tool No.	Stock Size	Length	Point Size	Weight 10 Pcs.
★ DP-2	1/4"	5"	1/16"	0.5
★ DP-4	3/16"	6"	3/32"	1.0
★ DP-6	3/8"	8"	1/8"	1.9
DP-8	1/2"	9"	5/32"	3.8
DP-10	5/8"	11"	7/32"	7.3
DP-12	3/4"	16"	7/32"	11.8

## EXTRA LONG TAPER PUNCHES

Tool No.	Stock Size	Length	Point Size	Weight 10 Pcs.
★ DP-2S	1/4"	10"	3/32"	1.0
★ DP-6S	3/8"	11"	3/16"	3.0
★ DP-8S	1/2"	12"	1/4"	5.3
★ DP-10S	5/8"	14"	5/16"	9.5
★ DP-14S	3/4"	16"	3/8"	10.0

## PLAIN OR RIVET PUNCHES

Tool No.	Stock Size	Length	Point Size	Weight 10 Pcs.
RP-2	5/16"	4 1/4"	5/32"	0.8
RP-4	3/8"	5 1/2"	3/16"	1.4
RP-6	1/2"	6 1/2"	1/4"	3.0
RP-8	5/8"	7 1/2"	5/16"	6.3
RP-10	5/8"	11"	5/16"	8.0
RP-12	3/4"	11"	3/8"	12.3
RP-14	7/8"	12"	7/16"	16.5
RP-16	1"	13 1/2"	1/2"	24.5

## PIN PUNCHES

Tool No.	Stock Size	Length	Point Size	Weight 10 Pcs.
★ PP-2	1/4"	4 1/4"	1/16"	0.4
★ PP-4	1/4"	4 1/4"	3/64"	0.4
★ PP-6	1/4"	4 1/4"	3/32"	0.5
★ PP-8	1/4"	4 1/4"	1/8"	0.5
PP-10	3/16"	4 3/4"	5/32"	0.8
PP-12	3/8"	5 1/2"	3/16"	1.4
PP-14	1/2"	7"	1 5/64"	3.0
PP-16	1/2"	8"	3/16"	3.5
PP-18	3/8"	9"	3/8"	6.0

## SPECIAL PIN PUNCHES

Tool No.	Stock Size	Point Size	Length	Weight 10 Pcs.
★ PP-12B	3/8"	3/16"	7 1/4"	4.5
★ PP-12F	3/8"	3/16"	9"	1.5

NOTE: PP-12B for Brake Rivets  
PP-12F for Ford, Mercury, Lincoln differentials.

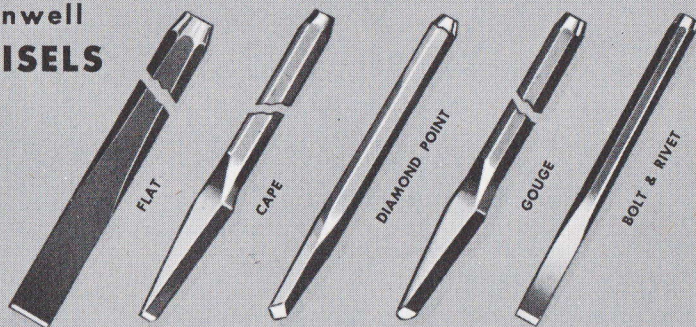
## CENTER PUNCHES

Tool No.	Stock Size	Length	Weight 10 Pcs.
CP-2	5/16"	4 1/4"	0.7
CP-4	3/8"	5"	1.3
CP-6	1/2"	5 1/2"	2.4
CP-8	7/8"	22"	34.0

## PRICK PUNCH

Tool No.	Stock Size	Length	Weight 10 Pcs.
CP-10	5/16"	6"	1.0

# Cornwell CHISELS



Recognized for years as the best cutting, most durable chisel available. Cornwell chisels are the right blend of the finest alloy steel, properly hammer forged and heat treated. Octagon steel is used throughout to provide the best balance and most comfortable grip found in any chisel anywhere. We invite comparison or, better still, ask your Cornwell Man to demonstrate the superior cutting and lasting qualities of these fine tools.

## FLAT CHISELS

Tool No.	Stock Size	Length	Blade Width	Weight 10 Pcs.
FC-2	3/16"	4 1/2"	3/8"	0.8
FC-4	3/16"	5 1/4"	3/8"	1.0
FC-6	3/8"	6"	29/64"	1.8
FC-8	1/2"	6 3/4"	17/32"	3.3
FC-10	5/8"	7 1/2"	3/4"	5.8
FC-12	3/4"	11"	3/4"	9.0
FC-14	3/4"	7"	7/8"	8.0
FC-16	3/4"	9"	7/8"	10.3
FC-18	7/8"	7 1/2"	15/16"	11.0
FC-20	1"	11"	15/16"	17.0
FC-22	1 1/8"	16"	15/16"	24.5

## CAPE CHISELS

Tool No.	Stock Size	Length	Blade Width	Weight 10 Pcs.
* CC-2	3/16"	4 1/4"	3/16"	0.8
* CC-4	3/16"	5 1/2"	3/16"	1.0
CC-6	3/8"	6"	1/4"	1.6
CC-8	1/2"	6 3/4"	21/64"	3.2
CC-12	5/8"	11"	1/2"	8.3

## DIAMOND POINT CHISELS

Tool No.	Stock Size	Length	Point Width	Weight 10 Pcs.
DC-2	3/16"	5 1/2"	5/32"	0.8
DC-4	3/8"	6"	7/32"	1.5
DC-6	1/2"	6 3/4"	21/64"	3.3

## BOLT AND RIVET BUSTERS

Tool No.	Stock Size	Length	Blade Width	Weight 10 Pcs.
RB-2	3/4"	11"	7/32"	12.0
RB-4	7/8"	22"	7/32"	36.0

## GOUGE CHISELS

Tool No.	Stock Size	Length	Blade Width	Weight 10 Pcs.
GC-2	3/16"	5 1/2"	7/32"	1.1
GC-4	3/8"	6"	1/4"	1.8
GC-6	1/2"	7 1/4"	3/16"	3.4
*GC-8	3/4"	6"	7/32"	1.8

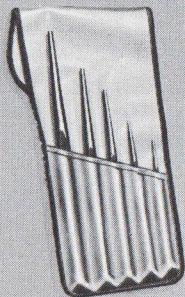
\*NOTE: For cutting oil grooves.

## DRESSING A CHISEL

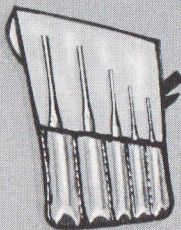


Machine grinding may overheat the steel and destroy temper of the cutting edge. When edging with a file use a rocking stroke to produce the shape illustrated in Fig. A. This allows a greater volume of metal thereby increasing life to the cutting edge. Straight wipes with a file decrease the cross section as shown in Fig. B. When grinding, wipe the edge up and away from the body with a rocking motion to produce Fig. A. If held straight against the periphery of the wheel the cross section is further decreased as shown in Fig. C.

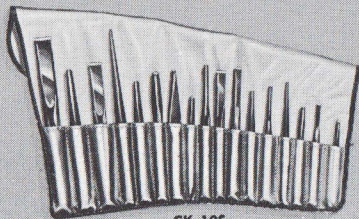
## PUNCH and CHISEL SETS



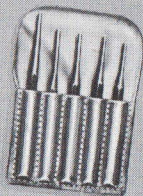
PK-6S



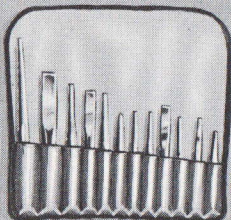
PK-8S



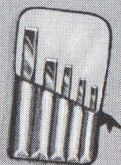
CK-10S



CK-2S



CK-7S



CK-4S

### CK-4S FLAT CHISEL SET — 5 TOOLS

Consisting of: FC-4, FC-6, FC-8, FC-10, FC-16 in CK-4K Kit.

CK-4 Flat Chisels only.

CK-4K Kit only.

Weight 10 Sets, 23 pounds

### PK-2S PIN PUNCH SET — 5 TOOLS

Consisting of: Starter Punch, DP-2; Pin Punches, PP-2, PP-4, PP-6, PP-8 in PK-2K Kit.

PK-2 Punches only.

PK-2K Kit only.

Weight 10 Sets, 2.5 pounds

### PK-6S DRIFT PUNCH SET — 5 TOOLS

Consisting of: DP-2, DP-4, DP-6, DP-8, DP-10 in PK-6K Kit.

PK-6 Drift Punches only.

PK-6K Kit only.

Weight 10 Sets, 15.5 pounds

### PK-7S LONG TAPER DRIFT PUNCH SET — 5 TOOLS

Consisting of: DP-2S, DP-6S, DP-8S, DP-10S, DP-14S in PK-7K Kit.

PK-7 Long Taper Punches only.

PK-7K Kit only.

Weight 10 Sets, 30 pounds

### PK-8S PIN PUNCH SET — 5 TOOLS

Consisting of: PP-10, PP-12, PP-14, PP-16, PP-18 in PK-8K Kit.

PK-8 Pin Punches only.

PK-8K Kit only.

Weight 10 Sets, 16 pounds

### CK-2S PUNCH AND CHISEL SET — 5 TOOLS

Consisting of: Flat Chisel, FC-2; Cape Chisel, CC-2; Center Punch, CP-2; Rivet Punch, RP-2; Pin Punch, PP-8 in CK-2K Kit.

CK-2 Chisels and Punches only.

CK-2K Kit only.

Weight 10 Sets, 4.2 pounds

### CK-7S PUNCH AND CHISEL SET — 12 TOOLS

Consisting of: Flat Chisel, FC-4; Gouge Chisel, GC-2; Diamond Chisel, DC-2; Cape Chisel, CC-2; Prick Punch, CP-10; Drift Punch, DP-2; Pin Punches, PP-2, PP-4, PP-6, PP-8; Screw Extractors, EZ-2, EZ-4 in CK-7K Kit.

CK-7 Chisels and Punches only.

CK-7K Kit only.

Weight 10 Sets, 10 pounds

### CK-8S PUNCH AND CHISEL SET — 12 TOOLS

Consisting of: Flat Chisels, FC-6, FC-8, FC-10; Diamond Chisel, DC-2; Cape Chisel, CC-2; Center Punch, CP-6; Drift Punch, DP-8; Rivet Punches, RP-4, RP-6; Pin Punches, PP-10, PP-12, PP-14 in CK-8K Kit.

CK-8 Chisels and Punches only.

CK-8K Kit only.

Weight 10 Sets, 30.5 pounds

### CK-10S PUNCH AND CHISEL SET — 17 TOOLS

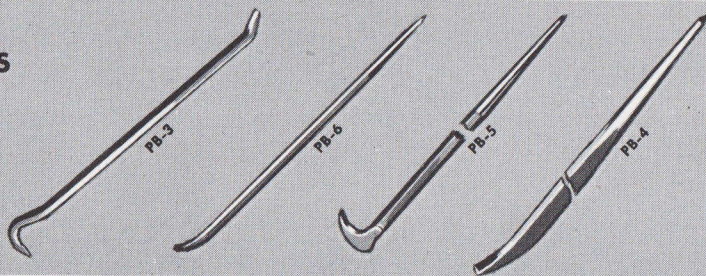
Consisting of: Flat Chisels, FC-6, FC-8, FC-10, FC-16; Gouge Chisels, GC-2, GC-4; Diamond Chisel, DC-6; Cape Chisels, CC-4, CC-6, CC-8; Center Punch, CP-6; Drift Punch, DP-8; Rivet Punches, RP-4, RP-6, RP-8; Pin Punch, PP-14; Screw Extractor, EZ-4 in CK-10K Kit.

CK-10 Chisels and Punches only.

CK-10K Kit only.

Weight 10 Sets, 57 pounds

## PRY BARS



**PINCH AND PRY BAR**—A long rolling hook provides "follow-up" for prying off gears and clamps or parts from long shafts. The pinch end has exceptional leverage for breaking loose corroded or frozen parts.

PB-3 1/2" Octagon x 16" long.

Weight 10 Pieces, 9.3 pounds

**PINCH AND LINING-UP BAR**—A double purpose bar having a short sturdy pinch on one end and a long tapered lining-up point on the other. Invaluable for work around machinery.

PB-4 1/2" Square x 16" long.

Weight 10 Pieces, 8.8 pounds

**PINCH AND LINING-UP BAR**—Exceptionally rugged in design and construction. This heavy duty, double purpose Pry Bar is particularly suited for construction and heavy equipment work.

PB-6 3/8" Octagon x 23" long.

Weight 10 Pieces, 18 pounds

**PRY AND LINING-UP BARS**—Two sizes of this popular bar are offered to handle every conceivable job. The "lady-foot" end offers exceptional leverage and usefulness. The lining-up end is long and tapered with pointed end.

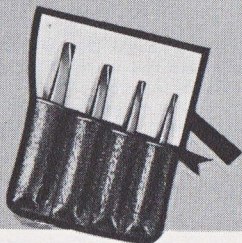
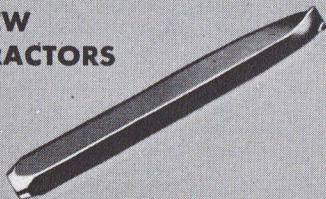
PB-5 1/2" Octagon x 16" long.

PB-7 3/4" Octagon x 24" long.

Weight 10 Pieces, 8.5 pounds

Weight 10 Pieces, 28.5 pounds

## SCREW EXTRACTORS



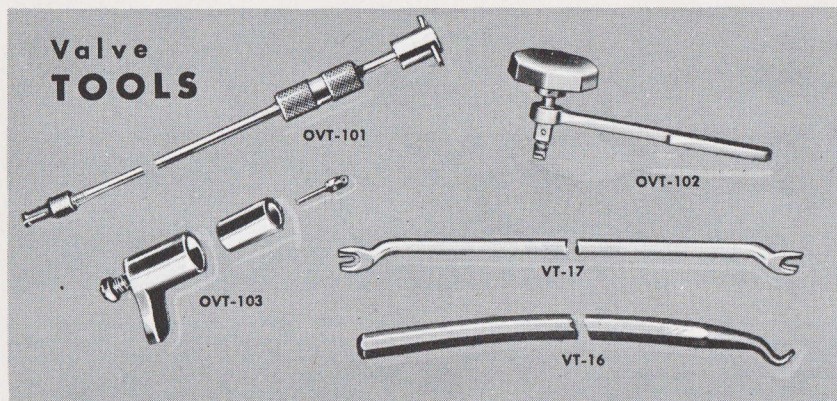
Cornwell Screw Extractors are proven to be outstanding for removing broken screws, studs, bolts, pipe fittings, etc. The sharp edges bite positively into a previously drilled hole making removal routine.

Tool No.	Stock Size	Length	Point Size	Drill Size	Screw, Stud, Bolt Size	Weight 10 Pcs.
EZ-2	1/4"	4"	1/8"	1/8"	1/4", 5/16"	0.5
EZ-4	5/16"	4 1/4"	5/32"	1/16"	3/8", 7/16"	1.0
EZ-6	3/8"	4 1/2"	1/4"	9/32"	1/2", 9/16"	1.5
EZ-8	1/2"	4 5/8"	5/16"	1/32"	5/8", 1 1/16", 3/4"	2.8

### PK-45 SET — 4 EXTRACTORS

Consisting of: EZ-2, EZ-4, EZ-6, EZ-8 in PK-4K Kit.

PK-4 Extractors only. PK-4K Kit only.  
Weight 10 Sets, 6.5 pounds



### HYDRAULIC VALVE TOOLS

**HYDRAULIC VALVE LIFTER FOR GENERAL MOTORS PRODUCTS**—There is no trick to doing a good, fast overhaul job to Hydraulic Valve Lifters on Chevrolet, Buick, Oldsmobile and Cadillac cars. The secret of this service set is not who uses it, but how often it can be used. Simple in design, rugged in construction, fast in operation and thorough in every detail—you can now do this job to your and your customer's complete satisfaction.

**OVT-101 Puller with Sliding Hammer and two Collets**  
Weight 10 Sets, 11.9 pounds

**HYDRAULIC VALVE LIFTER FOR CHRYSLER PRODUCTS**—The split collet principal applies ample friction to the inside of the valve lifter for easy removal. A slide hammer is provided for assistance in removing the more heavily varnished lifters. This tool is a great time saver in removing lifters on Chrysler and DeSoto V-8 engines. (Similar to OVT-101)

**OVT-105 Puller with Sliding Hammer and one Collet**  
Weight 10 Sets, 20 pounds

**SERVICE SET FOR HYDRAULIC VALVES**—A patented set of tools for disassembly of Hydraulic Valves with pressure from either hand or air pressure Grease Guns. It is no longer necessary to throw away good Valve Lifters because the inner sleeve is stuck. The normal pressure of one or two shots of grease through a Hypodermic Needle easily forces the sleeve out of the body and exposes the entire mechanism for cleaning.

**OVT-103 Service Set including Body, three Sleeves and two Hypodermic Needles.**

Weight 10 Sets, 18.1 pounds

### OVERHEAD VALVE TOOLS

**OVERHEAD VALVE ADJUSTING TOOL**—A large knob to the screw driver bit provides fine, accurate adjustment to the overhead valve screw. The male square drive above the screw driver bit is  $\frac{1}{2}$ " allowing for any standard  $\frac{1}{2}$ " drive socket to be used when breaking loose or tightening the lock nut.

**OVT-102 Overhead Valve Adjusting Tool**  
Weight 10 Tools, 6.9 pounds

**VALVE ADJUSTING TOOL FOR FORD AND MERCURY**—This tool, similar to the OVT-102, is equipped with an extra long screw driver blade so that the tool can be used with standard Deep Sockets. The additional length allows you to adjust all valves from a position well above the hot manifold. This tool will keep you from burning fingers and knuckles on Ford and Mercury cars. (Similar to OVT-102)

**OVT-102L Overhead Valve Adjusting Tool**  
Weight 10 Tools, 7.0 pounds

### VALVE TOOLS

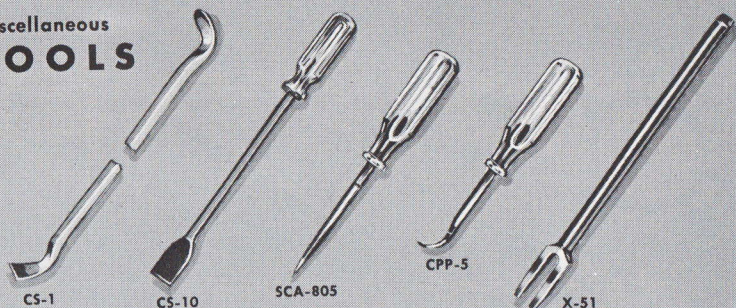
**FORD VALVE GUIDE LOCK REMOVER**—This Guide Lock Removing Tool is an innovation when it comes to removing those "burned in" valve guide locks. Just insert the end in the guide lock, pull over edge of block and "out they come."

**VT-16 Ford Valve Guide Lock Remover, 18" long**  
Weight 10 Tools, 10.1 pounds

**FORD - MERCURY VALVE LIFTER**—A very handy tool for lifting valves on Ford and Mercury engines prior to Overhead Valve Models.

**VT-17 Ford - Mercury Valve Lifter, 22" long**  
Weight 10 Tools, 31 pounds

## Miscellaneous TOOLS



### CARBON SCRAPERS

Manufactured from extra quality alloy steel producing knife like edges which stand up under long use.

CS-1  $\frac{1}{4}$ " x  $8\frac{1}{2}$ " long Spoon type Scraper  
Weight 10 pcs., 1.4 pounds

CS-10  $\frac{1}{4}$ " x 12" long Flat type Scraper  
Weight 10 pcs., 2.8 pounds

### SCRATCH AWL

A rugged tool made of excellent material for punching, marking and lining up work.

SCA-805  $\frac{5}{16}$ " x  $8\frac{1}{2}$ " long. Wgt. 10 pcs., 2.4 lbs.

### COTTER PIN PULLER

For removing stubborn and hard to reach pins. The rolled hook provides exceptional leverage.

\* CPP-5  $\frac{5}{16}$ " x  $7\frac{1}{2}$ " long. Wgt. 10 pcs., 2.3 lbs.

### SPREADER AND REMOVING TOOLS

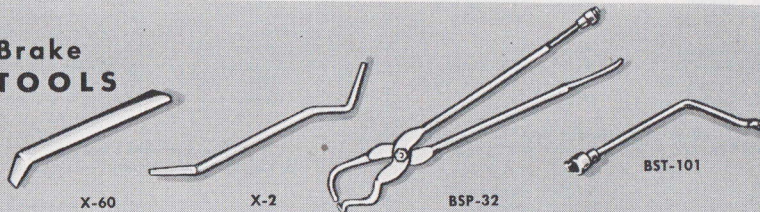
Particularly useful for separating shock links, spreading tie rods and removing Pitman arms.

X-51 18" long—Ford. Wgt. 10 pcs., 31 pounds

X-52 18" long—Dodge, Plymouth. Wgt. 10 pcs., 30 lbs.

X-53  $9\frac{1}{2}$ " long—Pitman Arm. Wgt. 10 pcs., 20 lbs.

## Brake TOOLS



**BRAKE ADJUSTING TOOLS**—For star nut adjustment on most brakes. The X-60 is for Chevrolet Trucks.

X-2  $\frac{3}{8}$ " x  $7\frac{1}{2}$ " long. Weight 10 pcs., 2.3 lbs.

X-60 1" x  $\frac{3}{16}$ " x  $6\frac{1}{2}$ " long. Weight 10 pcs., 2.0 lbs.

**BENDIX BRAKE TOOL**—A dual tool for Bendix Brake work. The socket end for removing, and the hook end for replacing springs. This attachment is also part of BSP-32 described in this section.

BST-101  $8\frac{1}{2}$ " long. Weight 10 pcs., 2.8 lbs.

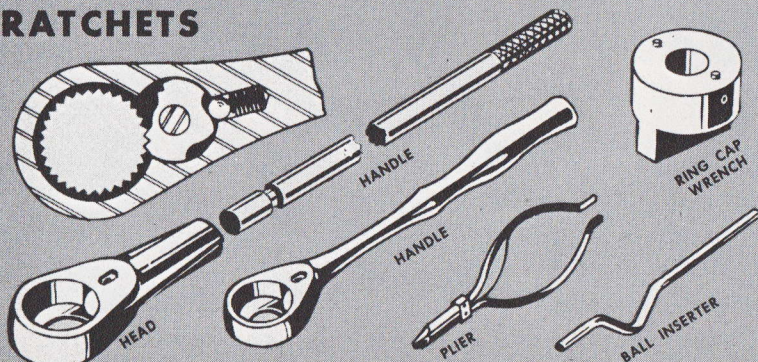
**BRAKE SPRING PLIERS**—These useful brake tools are made in three styles. The BSP-32 incorporates the Bendix Brake Attachment for universal work; The P-32 is a standard plier with guide ends; The P-35 is designed specifically for truck brakes.

BSP-32 14" long. Weight 10 pcs., 7.8 pounds

P-32 14" long. Weight 10 pcs., 7.6 pounds

P-35 21" long. Weight 10 pcs., 20.0 pounds

# Cornwell RATCHETS



## RATCHET PARTS LIST

Years of experience, unexcelled design, fine steel and manufacturing "know how" make the Cornwell Ratchet the safest and most dependable available. The illustrations and listings on these pages describe the individual parts which comprise these fine useful tools.

### JR-30 — ASSEMBLY NO. 1 3/8" Square Drive Ratchet — 7 1/8" Long

Parts		Parts	
JR-30A	Handle	JR-30R	Retaining Ring
JR-30B	Hub	3/16"	Steel Ball
JR-30C	Pawl		
JR-30D	Trigger	<b>Assembly Tools</b>	
JR-30E	Ring Cap	BI-10	Ball Insertor
JR-30F	Trigger Pin	IRW	Ring Cap Wrench
JR-30G	Spring	JR-30PL	Plier

### SR-50 — ASSEMBLY NO. 1 1/2" Square Drive Ratchet — 9 5/8" Long

Parts		Parts	
SR-50A	Handle	SR-50R	Retaining Ring
SR-50B	Hub	3/16"	Steel Ball
SR-50C	Pawl		
SR-50D	Trigger	<b>Assembly Tools</b>	
SR-50E	Ring Cap	BI-10	Ball Insertor
SR-50F	Trigger Pin	SRW	Ring Cap Wrench
SR-50G	Spring	SR-50PL	Plier

### SR-70 — ASSEMBLY NO. 1 1/2" Square Drive Ratchet — 15" Long

Parts		Parts	
SR-70A	Handle	SR-70R	Retaining Ring
SR-70B	Hub	3/16"	Steel Ball
SR-70C	Pawl		
SR-70D	Trigger	<b>Assembly Tools</b>	
SR-70E	Ring Cap	BI-10	Ball Insertor
SR-70F	Trigger Pin	SRW	Ring Cap Wrench
SR-70G	Spring	SR-70PL	Plier

### GR-3 — ASSEMBLY NO. 1 1" Square Drive Ratchet — 35" Long

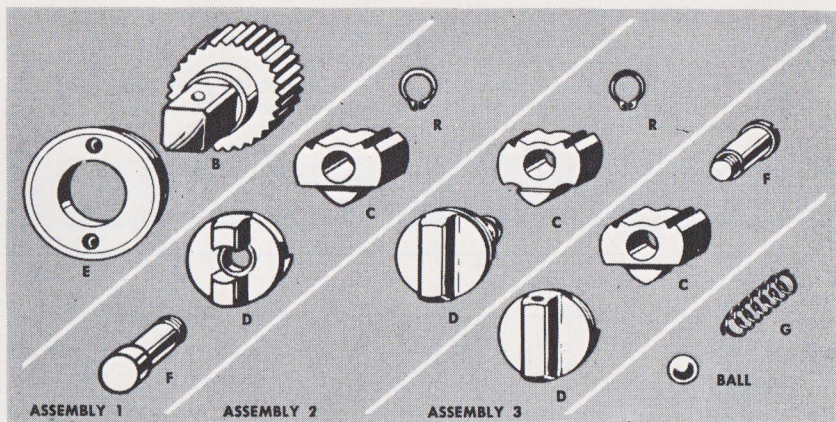
Parts		Parts	
GR-3A	Head	GR-3R	Retaining Ring
GR-3B	Hub	3/8"	Steel Ball
GR-3C	Pawl		
GR-3D	Trigger	<b>Assembly Tools</b>	
GR-3E	Ring Cap	BI-20	Ball Insertor
GR-3F	Trigger Pin	GRW	Ring Cap Wrench
GR-3G	Spring	GR-3PL	Plier
GR-3L	Handle		

### TR-3 — ASSEMBLY NO. 2 1/4" Square Drive Ratchet — 5" Long

Parts		Parts	
TR-3A	Handle	TR-3R	Retaining Ring
TR-3B	Hub	1/8"	Steel Ball
TR-3C	Pawl		
TR-3D	Trigger	<b>Assembly Tools</b>	
TR-3E	Ring Cap	BI-5	Ball Insertor
TR-3G	Spring	TRW	Ring Cap Wrench
		TR-3PL	Plier

### HR-3 — ASSEMBLY NO. 2 3/4" Square Drive Ratchet — 25 3/8" Long

Parts		Parts	
HR-3A	Head	HR-3R	Retaining Ring
HR-3B	Hub	3/16"	Steel Ball
HR-3C	Pawl		
HR-3D	Trigger	<b>Assembly Tools</b>	
HR-3E	Ring Cap	BI-15	Ball Insertor
HR-3G	Spring	HRW	Ring Cap Wrench
HR-3L	Handle	HR-3PL	Plier

**JR-3 — ASSEMBLY NO. 3** **$\frac{3}{8}$ " Square Drive Ratchet —  $7\frac{1}{8}$ " Long****Parts**

JR-3A	Handle
JR-3B	Hub
JR-3C	Pawl
JR-3D	Trigger
JR-3E	Ring Cap
JR-3F	Screw

**Parts**

JR-3G	Spring
$\frac{3}{16}$ "	Steel Ball

**Assembly Tools**

BI-10	Ball Insertor
JRW	Ring Cap Wrench

**SR-5 — ASSEMBLY NO. 3** **$\frac{1}{2}$ " Square Drive Ratchet —  $9\frac{5}{8}$ " Long****Parts**

SR-5A	Handle
SR-5B	Hub
SR-5C	Pawl
SR-5D	Trigger
SR-5E	Ring Cap
SR-5F	Screw

**Parts**

SR-5G	Spring
$\frac{3}{16}$ "	Steel Ball

**Assembly Tools**

BI-10	Ball Insertor
SRW	Ring Cap Wrench

**SR-7 — ASSEMBLY NO. 3** **$\frac{1}{2}$ " Square Drive Ratchet — 15" Long****Parts**

SR-7A	Handle
SR-7B	Hub
SR-7C	Pawl
SR-7D	Trigger
SR-7E	Ring Cap
SR-7F	Screw

**Parts**

SR-7G	Spring
$\frac{3}{16}$ "	Steel Ball

**Assembly Tools**

BI-10	Ball Insertor
SRW	Ring Cap Wrench

**RATCHET REPAIR KITS**

The essential parts for rebuilding ratchets have been carefully selected so that tools with many "miles" of service can be made practically new. Each kit consists of one each: Hub, B; Pawl, C; Spring, G; Retainer Ring, R; and Steel Ball. All parts are packed in individual containers. If assembly tools are desired, the appropriate number may be found under parts listings.

TR-3RK For  $\frac{1}{4}$ " Square Drive RatchetsJR-30RK For  $\frac{3}{8}$ " Square Drive RatchetsSR-50RK For  $\frac{1}{2}$ " Square Drive RatchetsHR-3RK For  $\frac{3}{4}$ " Square Drive Ratchets

GR-3RK For 1" Square Drive Ratchets

**FLEX HANDLE REPAIR KITS**

An outstanding feature of the Cornwell Flex Handle is the ease and low cost of its repair if any of the parts have been abused. Our design allows for head replacement only, without the need of costly handle replacement.

HFA-0  $\frac{1}{4}$ " Head Assembly with Ball and SpringHFA-2  $\frac{3}{8}$ " Head Assembly with Ball and SpringHFA-3  $\frac{1}{2}$ " Head Assembly with Ball and SpringHFA-5  $\frac{3}{4}$ " Head Assembly with Ball and Spring

## SCREW SPECIFICATIONS

The following charts show a breakdown of recesses for Slotted, Phillips and Clutch Head Screws. This information, with the necessary reference data included, will help you select the proper screw driver for the job.



ROUND



BINDING



TRUSS



FLAT



OVAL



FILLISTER



HEXAGON

Slotted



Screws

"D" Dia. of Screw		Screw Size		Approx. Blade Thickness Inches	Shank Size of Screw Driver
Size	Diameter	Flat - Oval Binding	Round		
1	.073	1	2	.026	1/8"
2	.086			.028	
3	.099	2	3	.032	
4	.112	3	4	.034	3/16", 7/32"
5	.125	4	5	.036	
6	.138	5	6	.038	
7	.151	6	7	.040	1/4"
8	.164	7	8	.042	
9	.177	8	10	.046	
10	.190	10	12	.050	5/16"
11	.203	12	14	.055	
12	.216	14	16	.060	
14	.242	16	18	.062	3/8"
16	.268	18	20		
18	.294				
20	.320				

Phillips



Screws

		WOOD SCREW		MACHINE SCREW		SHEET METAL	
Point Size	Body Dia.	Flat Oval	Round	Flat Oval Binding	Round Fillister	Truss Brazier Button	Flat, Round Oval, Stove, Binding
1	3/16"	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4, 5	2, 3, 4
2	1/4"	5, 6, 7, 8, 9	5, 6, 7, 8, 9, 10	5, 6, 8, 10	5, 6, 8, 10	6, 8, 10	5, 6, 7, 8, 10
3	5/16"	10, 12, 14, 16	12, 14, 16	12, 1/4"	12, 1/4" 5/16"	12, 1/4"	12, 14
4	3/8"	18, 20, 24	18, 20, 24	5/16", 3/8", 7/16", 1/2"	3/8", 7/16", 1/2"	5/16", 3/8", 7/16", 1/2"	.....

Clutch Head



Screws

Clutch Size	Round	Binding	Truss	Flat	Oval	Fillister	Hexagon
3/32"	2, 3	2, 3, 4	2, 3, 4	2, 3	2, 3	2, 3, 4	2, 3
1/8"	6	6	6	4	4	6	4, 6
5/32"	8, 10	8, 10	8	6, 8	6, 8	8, 10	8, 10
3/16"	12	12	10, 12	10	10	12	12
1/4"	14, 1/4"	14, 1/4"	14, 1/4"	12, 14, 1/4"	12, 14, 1/4"	14, 1/4"	14, 1/4"
5/16"	5/16", 3/8"	5/16", 3/8"	5/16", 3/8"	5/16"	5/16"	5/16", 3/8"	5/16", 3/8"
3/8"	....	....	3/8"	3/8"	3/8"	....	....

## SCREW SPECIFICATIONS

Select the proper Driver or Bit for Hollow Hexagon Socket Screws (Allen) and Multiple Spline Socket Screws (Bristol) from the charts below. The different styles of screws available with hollow hexagon socket heads are illustrated below.



FLAT HEAD



CAP SCREW



SET SCREW



PIPE PLUG



ALLENUT

### Hollow Hexagon



### Socket Screws

Hex Size	Set Screw	Cap Screw	Flat Head	Shoulder	Pipe Plug	Allenut
.050	3, 4	1	...	...	...	...
1/16"	5, 6	2	4	...	...	...
5/64"	8	3, 4	5, 6	...	...	...
3/32"	10, 12	5, 6	8	...	...	...
1/8"	1/4"	8	10	1/4"	...	4, 5
5/32"	5/16"	10, 12	1/4"	5/16"	1/16"	6
3/16"	3/8"	1/4"	5/16"	3/8"	1/8"	8, 10
7/32"	7/16"	5/16"	3/8"	...	...	...
1/4"	1/2", 9/16"	...	7/16"	1/2"	1/4"	1/4"
5/16"	5/8"	3/8", 7/16"	1/2"	5/8"	3/8"	5/16"
3/8"	3/4"	1/2", 9/16"	5/8", 3/4"	3/4"	1/2"	3/8"
7/16"	...	...	...	...	...	7/16"
1/2"	7/8"	5/8"	...	1"	...	1/2"
9/16"	1", 1 1/8"	3/4", 7/8"	...	...	3/4"	...
5/8"	1 1/4", 1 3/8"	1"	...	...	1"	5/8"
3/4"	1 1/2"	1 1/8", 1 1/4", 1 3/8"	...	...	1 1/4"	3/4"

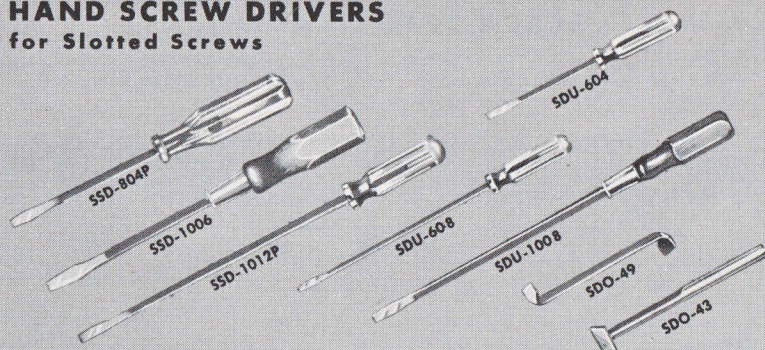
### Multiple Spline



### Socket Screws

Key Size	Number Flutes	Diameter	Set Screw	Cap Screw
4	6	.060	4	0, 1
5	4	.069	5	...
6	4	.076	6	...
8	6	.094	8	3, 4
10	6	.110	10	5, 6
1/4"	6	.144	1/4"	8
5/16"	6	.183	5/16"	10
3/8"	6	.216	3/8"	1/4"
7/16"	6	.251	7/16"	5/16"
1/2"	6	.291	1/2"	...
5/8"	6	.372	5/8"	3/8", 7/16"
3/4"	6	.454	3/4"	1/2"

## HAND SCREW DRIVERS for Slotted Screws



Cornwell Screw Drivers, manufactured from Special Alloy Steel, are made by the relatively slow but thorough Bradley Forging method. Many blows on the steel, which is properly heated, conditions the grain structure thereby producing the strongest, most durable blade available.

### QUALITY LINE

#### Square Shank — Wood or Plastic Handle Slotted Screws

Tool Number Wood Hdl.	Tool Number Plastic Hdl.	Stock Size	Blade Length	O. A. Length	Weight 10 Pcs.
SSD-402	SSD-402P	1/8"	2"	5"	0.4
SSD-405	SSD-405P	1/8"	5"	7 3/8"	0.5
.....	SSD-601P	3/16"	7 7/8"	13 1/8"	0.4
SSD-602	SSD-602P	3/16"	2 1/2"	6"	1.0
SSD-605	SSD-605P	3/16"	5"	8 1/4"	1.3
SSD-801	SSD-801P	1/4"	13 1/8"	3 1/4"	0.8
SSD-804	SSD-804P	1/4"	4"	8 1/4"	2.1
SSD-806	SSD-806P	1/4"	6"	10 1/4"	2.7
SSD-825	SSD-825P	1/4"	25"	29 1/4"	6.0
SSD-1006	SSD-1006P	3/8"	6"	11"	3.0
SSD-1012	SSD-1012P	3/8"	12"	17"	5.1
SSD-1202	.....	3/8"	2 1/4"	8 1/4"	4.0
SSD-1208	SSD-1208P	3/8"	8"	13 1/2"	5.3
SSD-1212	SSD-1212P	3/8"	12"	17 1/2"	7.0

Note: Add 3/4" to overall length for Wood Handles

### UTILITY LINE

#### Square Shank — Wood or Plastic Handle Slotted Screws

Tool Number Wood Hdl.	Tool Number Plastic Hdl.	Stock Size	Blade Length	O. A. Length	Weight 10 Pcs.
* SDU-402	* SDU-402P	1/8"	2"	4 3/4"	0.4
* SDU-602	* SDU-602P	3/16"	2"	6"	0.9
* SDU-604	* SDU-604P	3/16"	4"	8"	1.1
* SDU-608	* SDU-608P	3/16"	8"	12"	1.5
* SDU-806	* SDU-806P	1/4"	6"	11"	2.4
* SDU-810	* SDU-810P	1/4"	10"	15"	3.2
* SDU-1008	* SDU-1008P	3/8"	8"	13 1/2"	4.3

Note: Add 3/4" to overall length for Wood Handles

### OFFSET TYPE—SLOTTED SCREWS

Handy Screw Drivers for reaching screws where obstructions will not provide clearance for standard screw drivers.

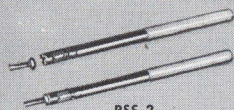
#### Offset Type—Slotted Screws

Tool No.	Blade Width	Blade Length	O. A. Length	Weight 10 Pcs.
* SDO-40	1/4"	13/32"	3 1/2"	0.5
* SDO-41	1 1/32"	3/16"	4 1/2"	0.8
* SDO-42	1 3/32"	1 1/16"	5 1/2"	1.1
* SDO-43	1/2"	3/4"	6"	2.0
* SDO-44	3/8"	1 1/8"	7"	3.0

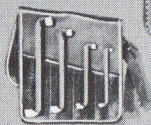
#### Double Offset Type—Slotted Screws

Tool No.	Blade Width	O. A. Length	Weight 10 Pcs.
* SDO-47	3/16"	4"	0.8
* SDO-48	3/16"	4 1/2"	0.9
* SDO-49	1 7/32"	5 1/2"	1.8
* SDO-50	1 1/16"	6 1/2"	2.9

## HAND SCREW DRIVERS for Slotted Screws



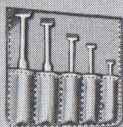
PSS-2



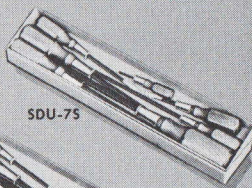
SDO-45



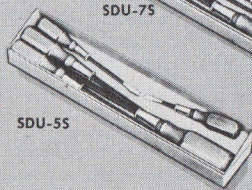
SDF-211



SDO-55



SDU-75



SDU-55

### SCREW STARTERS—Slotted Screws

For starting conventional Slotted Screws in places where the screw cannot be held with the fingers. Internal spring tension eliminates bulky outside holding fingers. Screws should be broken loose or tightened with standard solid bit screw driver.

Tool No.	Blade Width	O. A. Length	Weight 10 Pcs.
* PSS-1	$\frac{7}{32}$ "	2 $\frac{1}{2}$ "	0.2
* PSS-2	$\frac{7}{32}$ "	5"	0.4
* PSS-3	$\frac{7}{32}$ "	9"	0.7
* PSS-4	$\frac{7}{32}$ "	15"	1.1

### FLEXIBLE SCREW DRIVER—Slotted Screws

Works around corners. Use this tool in those awkward places where a screw cannot be reached with a straight offset screw driver.

Tool No.	Blade Width	Shank Length	O. A. Length	Weight 10 Pcs.
* SDF-211	$\frac{7}{32}$ "	5 $\frac{1}{2}$ "	8"	1.3

### OFFSET SCREW DRIVER SETS

Comprising a complete range of sizes for all-around work. These handy sets will save many hours time in reaching otherwise inaccessible screws.

#### SDO-55 SET—FIVE TOOLS

Consisting of: SDO-40, SDO-41, SDO-42, SDO-43, SDO-44 in SDO-5K Kit.

**SDO-5** Screw Drivers only

**SKO-5K** Kit only

Weight 10 Sets, 9.0 pounds

#### SDO-45 SET—FOUR TOOLS

Consisting of: SDO-47, SDO-48, SDO-49, SDO-50 in SDO-4K Kit.

**SDO-4** Screw Drivers only

**SDO-4K** Kit only

Weight 10 Sets, 7.0 pounds

### "UTILITY LINE" SETS

High grade Screw Driver Sets at attractive prices are made possible through quantity production. Sets are comprised of the most popular sizes needed by the mechanic. All blades are forged from high quality steel and are carefully heat treated for lasting service. Blades are black finished with polished flats. Handles securely assembled to blades.

These favorites with many mechanics are available with wood or plastic handles. Packed in cardboard boxes.

#### \*SDU-55 SET—WOOD HANDLES—5 TOOLS

Consisting of: SDU-402, SDU-602, SDU-604, SDU-608, SDU-806.

Weight 10 Sets, 7.0 pounds

#### \*SDU-75 SET—WOOD HANDLES—7 TOOLS

Consisting of: SDU-402, SDU-602, SDU-604, SDU-608, SDU-806, SDU-810, SDU-1008.

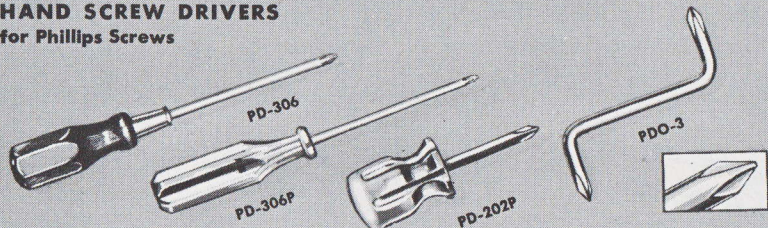
Weight 10 Sets, 15.5 pounds

#### \*SDU-7PS SET—PLASTIC HANDLES—7 TOOLS

Consisting of: SDU-402P, SDU-602P, SDU-604P, SDU-608P, SDU-806P, SDU-810P, SDU-1008P.

Weight 10 Sets, 15.5 pounds

## HAND SCREW DRIVERS for Phillips Screws



### PHILLIPS SCREW DRIVERS Super Blade—Plastic or Wood Handle

Screw Drivers for Phillips Screws are all furnished with Super Blades for the most difficult and stubborn application—Including Self-Tapping Screws. Both Wood and Plastic Handles are offered in various shank lengths.

Tool Number	Wood Hdl.	Point Size	Blade Length	Weight 10 Pcs.
*PD-101P	.....	1	1"	1.0
*PD-103P	PD-103	1	3"	1.1
*PD-202P	PD-202	2	1 1/2"	1.0
*PD-204P	PD-204	2	4"	1.9
*PD-209P	.....	2	8 1/2"	2.6
*PD-306P	PD-306	3	6"	3.1
*PD-408P	PD-408	4	8"	5.3

### PHILLIPS SCREW DRIVERS Double Offset Type

The offset blade allows access to hidden screws which cannot be reached with conventional screw drivers.

These handy tools will also allow for—and are made to accept—exceptional leverage for breaking loose tight screws.

Tool No.	Point Size	O. A. Length	Weight 10 Pcs.
*PDO-1	1	2 1/8"	0.3
*PDO-2	2	3 1/2"	0.7
*PDO-3	3	5"	1.6
*PDO-4	4	6"	2.8

## SCREW DRIVERS for Clutch Head Screws

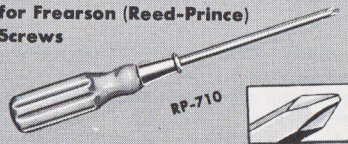


### CLUTCH HEAD SCREW DRIVERS

Cornwell Clutch Drivers are furnished in the "G" type making them particularly well suited for the mechanic desiring ease of operation plus a positive driving action. Manufactured from special alloy steel and furnished with comfortable wood handles.

Tool No.	Clutch Size	Stock Dia.	Blade Length	Weight 10 Pcs.
*CD-3G	3/32"	3/16"	3"	0.6
*CD-4G	1/8"	3/16"	3"	0.6
*CD-5G	3/32"	1/4"	4"	1.6
*CD-6G	3/16"	1/4"	4"	1.6
*CD-8G	1/4"	3/8"	6"	1.8
*CD-10G	3/8"	3/8"	6"	3.9

## SCREW DRIVERS for Frearson (Reed-Prince) Screws



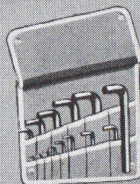
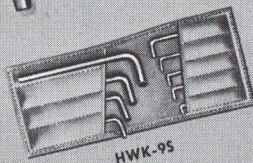
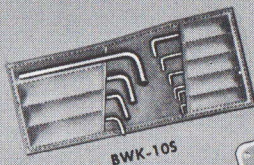
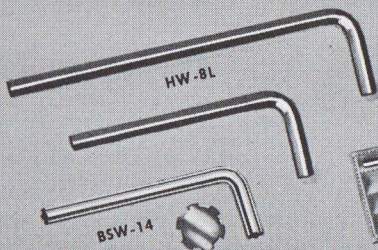
### FREARSON (Reed Prince) SCREW DRIVERS

Among the various types of recessed head screws on the market is the Frearson (Reed and Prince) cross slot screw. The slot is such that Phillips drivers cannot be used successfully on these screws and vice versa.

Special Alloy Steel is used in the manufacture of these fine screw drivers producing a bit capable of maximum service.

Tool No.	Stock Size	Blade Length	O. A. Length	Weight 10 Pcs.
*RP-700	3/16"	3"	6 1/2"	1.0
*RP-705	1/4"	1 1/2"	3 3/4"	1.0
*RP-710	1/4"	4"	9"	1.9
*RP-715	3/16"	6"	12"	3.5
*RP-720	3/8"	8"	14 3/4"	5.5

## HAND SCREW DRIVERS for Socket Head Screws



### HEX SOCKET SCREW WRENCHES—Regular Length

Tool No.	Hex.	Length	Weight 10 Pcs.
HW-1	.050	1 3/4"	0.1
* HW-2	1/16"	1 3/4"	0.1
HW-2 1/2	3/64"	1 7/8"	0.1
HW-3	3/32"	2"	0.1
HW-4	1/8"	2 1/4"	0.1
HW-5	3/32"	2 1/2"	0.2
HW-6	3/16"	2 3/4"	0.3
HW-7	7/32"	3"	0.5
HW-8	1/4"	3 1/4"	0.9
HW-10	3/16"	3 3/4"	1.3
HW-12	3/8"	4 1/4"	2.0
HW-14	7/16"	4 3/4"	3.0
HW-16	1/2"	5 1/4"	4.2
HW-18	9/16"	5 3/4"	5.9
HW-20	3/4"	6 1/4"	8.0
HW-24	3/4"	7 1/4"	13.5

### HEX SOCKET SCREW WRENCHES—Long Length

Tool No.	Hex.	Length	Weight 10 Pcs.
HW-2 1/2L	3/64"	3 1/4"	0.1
HW-3L	3/32"	3 3/8"	0.1
HW-4L	1/8"	3 3/4"	0.2
HW-5L	3/32"	4 1/8"	0.3
HW-6L	3/16"	4 1/2"	0.5
HW-7L	7/32"	4 7/8"	0.8
HW-8L	1/4"	5 1/4"	1.1
HW-10L	3/16"	6"	1.9
HW-12L	3/8"	6 3/4"	2.8

### SPLINE SOCKET SCREW WRENCHES

Tool No.	Key Size	Length	Weight 10 Pcs.
BSW-4	4	1 3/4"	0.1
BSW-5	5	1 7/8"	0.1
BSW-6	6	1 7/8"	0.1
BSW-8	8	2"	0.1
BSW-10	10	2 1/8"	0.1
BSW-14	1/4"	2 3/8"	0.1
BSW-516	3/16"	2 3/8"	0.2
BSW-38	3/8"	2 7/8"	0.3
BSW-716	7/16"	3 1/8"	0.5
BSW-12	1/2"	3 3/8"	0.9
BSW-58	3/4"	3 3/8"	1.3
BSW-34	3/4"	4 3/8"	2.2

#### BWK-10S SET—10 WRENCHES—NO. 4 TO 1/2" Wrench Set for Multiple Spline (Bristol) Screws

Consisting of: BSW-4, BSW-5, BSW-6, BSW-8, BSW-10, BSW-14, BSW-516, BSW-38, BSW-716, BSW-12 in BWK-10K Kit.

BWK-10 Wrenches only

BWK-10K Kit only

Weight 10 Sets, 2.1 pounds

#### HWK-9S SET—9 WRENCHES—.050 TO 1/4" Wrench Set for Hollow Hex (Allen) Screws

Consisting of: HW-1, HW-2, HW-2 1/2, HW-3, HW-4, HW-5, HW-6, HW-7, HW-8 in HWK-9K Kit.

HWK-9 Wrenches only

HWK-9K Kit only

Weight 10 Sets, 2.1 pounds

#### HWK-14S SET—14 WRENCHES—.050 TO 3/8" Wrench Set for Hollow Hex (Allen) Screws

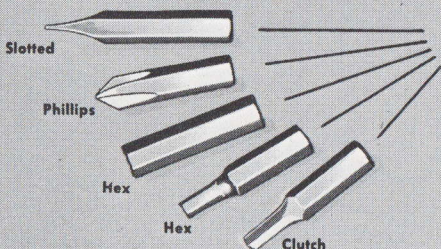
Consisting of: HW-1, HW-2, HW-2 1/2, HW-3, HW-4, HW-5, HW-6, HW-7, HW-8, HW-10, HW-12, HW-16, HW-18, HW-20 in HWK-14K Kit.

HWK-14 Wrenches only

HWK-14K Kit only

Weight 10 Sets, 25.0 pounds

## SOCKETS FOR BITS SCREW DRIVER BITS



Sockets for driving Screw Driver Bits are furnished in  $\frac{1}{4}$ ",  $\frac{3}{8}$ ", and  $\frac{1}{2}$ " Square Drives. A set screw or detent for holding the bit in place is provided in the opening. Hexagon and Square Openings are listed below for Hex and Square Bits.

### SOCKET ADAPTORS

#### Sockets for Hexagon Bits

Tool No.	Hex Opening	Square Drive	O. A. Length	Weight 10 Pcs.
PS-0208	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$1\frac{1}{16}$ "	0.5
PS-2206	$\frac{3}{16}$ "	$\frac{3}{8}$ "	1"	0.8
PS-2207	$\frac{7}{32}$ "	$\frac{3}{8}$ "	1"	0.8
PS-2208	$\frac{1}{4}$ "	$\frac{3}{8}$ "	1"	0.8
PS-2210	$\frac{3}{16}$ "	$\frac{3}{8}$ "	1"	0.7
PS-2212	$\frac{3}{8}$ "	$\frac{3}{8}$ "	1"	0.6
PS-3212	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$1\frac{1}{16}$ "	1.8
PS-3214	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$1\frac{1}{16}$ "	1.8
PS-3216	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$1\frac{1}{16}$ "	1.9
PS-3218	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$1\frac{1}{16}$ "	2.0

#### Socket for Square Bits

Tool No.	Square Opening	Square Drive	O. A. Length	Weight 10 Pcs.
PS-2410	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{8}$ "	0.9

### SCREW DRIVER BITS

#### $\frac{1}{4}$ " Hexagon Bits for Slotted Screws

Use with PS-0208 and PS-2208 Sockets

Tool No.	Bit Thickness	Bit Width	O. A. Length	Weight 10 Pcs.
* 8-2	.026	$\frac{3}{16}$ "	$1\frac{1}{8}$ "	0.1
* 8-4	.032	$\frac{3}{16}$ "	$1\frac{1}{8}$ "	0.1
* 8-6	.040	$\frac{7}{32}$ "	$1\frac{1}{8}$ "	0.1
* 8-8	.046	$\frac{9}{32}$ "	$1\frac{1}{8}$ "	0.1
* 8-10	.050	$\frac{9}{32}$ "	$1\frac{1}{8}$ "	0.1

#### $\frac{1}{4}$ " Hexagon Bits for Phillips Screws

Use with PS-0208 and PS-2208 Sockets

Tool No.	Point Size	O. A. Length	Weight 10 Pcs.
* 8-P1	1	1"	0.1
* 8-P2	2	1"	0.1
* 8-P3	3	1"	0.1

### SCREW DRIVER BITS

#### $\frac{5}{16}$ " Square Bits for Phillips Screws

Use with PS-2410 Sockets

Tool No.	Point Size	O. A. Length	Weight 10 Pcs.
* 104-P1	1	$1\frac{1}{8}$ "	0.2
* 104-P2	2	$1\frac{1}{8}$ "	0.2
* 104-P3	3	$1\frac{1}{8}$ "	0.2
* 104-P4	4	$1\frac{1}{8}$ "	0.2

#### $\frac{5}{16}$ " Square Bits for Clutch Head Screws

Use with PS-2410 Socket

Tool No.	Clutch Size	O. A. Length	Weight 10 Pcs.
* C104-4G	$\frac{1}{8}$ "	$1\frac{3}{8}$ "	0.3
* C104-5G	$\frac{3}{32}$ "	$1\frac{3}{8}$ "	0.3
* C104-6G	$\frac{3}{16}$ "	$1\frac{3}{8}$ "	0.3
* C104-8G	$\frac{1}{4}$ "	$1\frac{3}{8}$ "	0.3
* C104-10G	$\frac{5}{16}$ "	$1\frac{3}{8}$ "	0.3

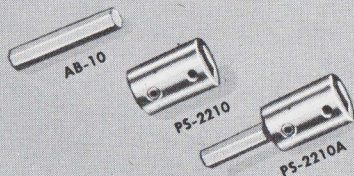
### Hex Bits for Hollow Hexagon (Allen) Screws

To be used with PS-3214 Socket and SKA-311S Set

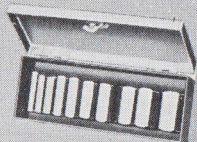
Tool No.	Size Hex	Length	Weight 10 Pcs.
* AB-1406	$\frac{3}{16}$ "	$1\frac{3}{8}$ "	0.3
* AB-1407	$\frac{7}{32}$ "	$1\frac{3}{8}$ "	0.4
* AB-1408	$\frac{1}{4}$ "	$1\frac{3}{8}$ "	0.4
* AB-1410	$\frac{3}{8}$ "	$1\frac{3}{8}$ "	0.5
* AB-1412	$\frac{7}{16}$ "	$1\frac{3}{8}$ "	0.6
* AB-1414	$\frac{1}{2}$ "	$1\frac{3}{8}$ "	0.7
* AB-1416	$\frac{5}{8}$ "	$1\frac{3}{8}$ "	0.8
* AB-1418	$\frac{3}{4}$ "	$1\frac{3}{8}$ "	0.9
* AB-1420	$\frac{7}{8}$ "	$1\frac{3}{8}$ "	1.0

## SCREW DRIVER BIT

### Assemblies and Sets



SKA-95



SKA-3115

### HEX BITS FOR HOLLOW HEXAGON (Allen) SCREWS

Tool No.	Size Hex	Length	Socket Used With	Weight 10 Pcs.
*AB-6	3/16"	1 1/4"	PS-2206	0.1
*AB-6L	3/16"	3"	PS-2206	0.3
*AB-7	7/32"	1 1/4"	PS-2207	0.1
*AB-7L	7/32"	3"	PS-2207	0.3
*AB-8	1/4"	1 1/4"	PS-0208	0.2
.....	...	....	PS-2208	...
*AB-8L	1/4"	3"	PS-0208	0.4
.....	...	....	PS-2208	...
*AB-10	3/8"	1 1/4"	PS-2210	0.3
*AB-10L	3/8"	3"	PS-2210	0.7
*AB-12	3/8"	1 1/4"	PS-2212	0.4
.....	...	....	PS-2212	...
*AB-12L	3/8"	3"	PS-2212	1.1
.....	...	....	PS-3212	...
*AB-14	7/16"	1 1/4"	PS-3214	0.6
*AB-16	1/2"	1 1/4"	PS-3216	0.8
*AB-16L	1/2"	3"	PS-3216	1.5
*AB-18	9/16"	1 1/4"	PS-3218	0.9
*AB-18L	9/16"	3"	PS-3218	2.0
*AB-20	3/4"	1 1/4"	SKA-10S	1.3
*AB-24	3/4"	1 1/4"	SKA-10S	1.8
*AB-28	7/8"	1 1/4"	SKA-10S	2.3

### SOCKET AND BIT ASSEMBLIES

Many individual Socket Adaptors and Bits have been listed on these pages. It is possible to order Sockets and Hex Bits assembled as one individual tool. For your convenience we list the assembly numbers below.

Tool No.	Square Drive	Size Hex	Socket Used With	Bit Used With	O. A. Length
PS-0208A	1/4"	1/4"	PS-0208	AB-8	1 1/16"
PS-0208LA	1/4"	1/4"	PS-0208	AB-8L	3 1/16"
PS-2206A	3/8"	3/16"	PS-2206	AB-6	2"
PS-2206LA	3/8"	3/16"	PS-2206	AB-6L	3 3/4"
PS-2207A	3/8"	7/32"	PS-2207	AB-7	2"
PS-2207LA	3/8"	7/32"	PS-2207	AB-7L	3 3/4"
PS-2208A	3/8"	1/4"	PS-2208	AB-8	2"
PS-2208LA	3/8"	1/4"	PS-2208	AB-8L	3 3/4"
PS-2210A	3/8"	3/8"	PS-2210	AB-10	2"
PS-2210LA	3/8"	3/8"	PS-2210	AB-10L	3 3/4"
PS-2212A	3/8"	3/8"	PS-2212	AB-12	2"
PS-2212LA	3/8"	3/8"	PS-2212	AB-12L	3 3/4"
PS-3212A	1/2"	3/8"	PS-3212	AB-12	2 1/16"
PS-3212LA	1/2"	3/8"	PS-3212	AB-12L	3 13/16"
PS-3214A	1/2"	7/16"	PS-3214	AB-14	2 1/16"
PS-3216A	1/2"	1/2"	PS-3216	AB-16	2 1/16"
PS-3216LA	1/2"	1/2"	PS-3216	AB-16L	3 13/16"
PS-3218A	1/2"	9/16"	PS-3218	AB-18	2 1/16"
PS-3218LA	1/2"	9/16"	PS-3218	AB-18L	3 13/16"
PAS-3206	1/2"	3/16"	PS-3214	AB-1406	1 13/16"
PAS-3207	1/2"	7/32"	PS-3214	AB-1407	1 13/16"
PAS-3208	1/2"	1/4"	PS-3214	AB-1408	1 13/16"
PAS-3210	1/2"	5/16"	PS-3214	AB-1410	1 13/16"
PAS-3212	1/2"	3/8"	PS-3214	AB-1412	1 7/8"
PAS-3214	1/2"	7/16"	PS-3214	AB-1414	1 5/16"
PAS-3216	1/2"	1/2"	PS-3214	AB-1416	2"
PAS-3218	1/2"	9/16"	PS-3214	AB-1418	2 1/16"
PAS-3220	1/2"	5/8"	PS-3214	AB-1420	2 3/16"

### Sets for Driving Hollow Hex (Allen) Screws

#### \*SKA-95 SET—9 Pieces—1/4" to 7/8"

Consisting of: AB-8, AB-10, AB-12, AB-14, AB-16, AB-18, AB-20, AB-24, AB-28 in SKA-10B Box.

SKA-9 Tools only

SKA-9B Box only

Weight 10 Sets, 12.0 pounds

#### \*SKA-3115 SET—11 Pieces—3/16" to 3/8"

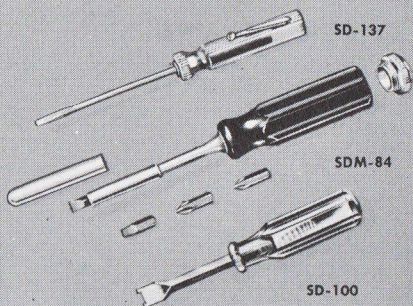
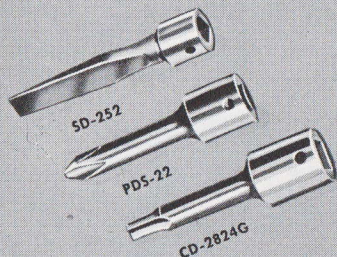
Consisting of: Bits, AB-1406, AB-1407, AB-1408, AB-1410, AB-1412, AB-1414, AB-1416, AB-1418, AB-1420; Socket, PS-3214; Wrench HW-4 in SKA-311B Box.

SKA-311 Tools only

SKA-311B Box only

Weight 10 Sets, 10.1 pounds

## Socket Type & Special Purpose SCREW DRIVERS



### SOCKET TYPE SCREW DRIVERS

To be used with Standard Handles and Ratchets for fast difficult work requiring additional leverage. Made from fine Alloy Steel for long life.

#### Socket Screw Drivers—Slotted Screws

Tool No.	Square Drive	Blade Width	O. A. Length	Weight 10 Pcs.
*SD-006	1/4"	3/16"	3"	0.4
*SD-008	1/4"	1/4"	3"	0.6
*SD-012	1/4"	3/8"	3"	0.9
*SD-252	3/8"	11/32"	3 3/8"	1.8
*SD-354	1/2"	1 1/32"	3 1/2"	2.3

#### Socket Screw Drivers—Phillips Screws

Tool No.	Square Drive	Point Size	O. A. Length	Weight 10 Pcs.
*PDS-02	1/4"	2	2"	0.4
*PDS-22	3/8"	2	2 5/8"	0.9
*PDS-23	3/8"	3	2 3/8"	1.0
*PDS-24	3/8"	4	2 3/8"	1.1

#### Socket Screw Drivers—Clutch Head Screws

Tool No.	Square Drive	Clutch Size	O. A. Length	Weight 10 Pcs.
*CD-2823G	3/8"	3/32"	2 5/8"	0.9
*CD-2824G	3/8"	3/16"	2 3/8"	0.9
*CD-2825G	3/8"	1/4"	2 3/8"	1.0
*CD-2827G	3/8"	3/16"	2 3/8"	1.0
*CD-2828G	3/8"	3/8"	2 3/8"	1.1

### Spark Testing Screw Driver

When the tip of the Screw Driver is grounded on the cylinder head and the shank with the spark plug a brilliant orange will flash in the handle for good plugs. A weak flash indicates a bad plug and no flash means a dead plug.

Tool No.	Blade Width	Shank Length	O. A. Length	Weight 10 Pcs.
*SD-137	1/8"	2 1/4"	4 3/4"	0.3

### MAGNETIC SCREW DRIVER FOR ALL SCREWS

A revolutionary Screw Driver for Slotted, Phillips, Hollow Hexagon and Frearson (Reed-Prince) Screws. The powerful Alnico magnet, securely mounted in the shaft, not only holds the bit in place but holds steel screws on the bit for easy starting. A storage section in the Plastic Handle holds extra bits. The complete Screw Driver is 8 1/2" long.

Tool Number	Containing Bits	O. A. Length	Weight 10 Pcs.
SDM-84	SDB-211, SDB-213, SDB-221, SDB-222	8 1/2"	3.3

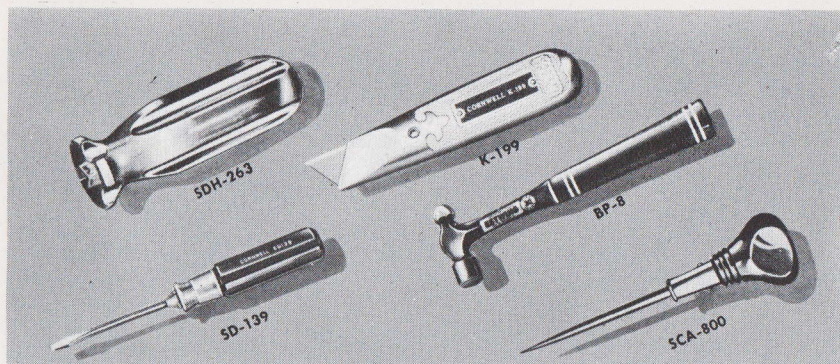
### 1/4" Hex Bits for SDM-84 Magnetic Screw Driver

Slotted Screws		Frearson Screws (Reed Prince)	
Tool No.	Bit Thickness	Tool No.	Screw Size
SDB-211	.034	SDB-231	6 and Up
SDB-212	.038	Hex Socket Screws	
SDB-213	.042	Tool No.	Hex Size
SDB-214	.046	SDB-251	3/32"
Phillips Screws		SDB-252	1/8"
Tool No.	Point Size	SDB-253	3/32"
SDB-221	1	SDB-254	3/16"
SDB-222	2	SDB-255	7/32"
SDB-223	3	SDB-256	1/4"

### Tappet Adjusting Screw Driver

A perfect tappet adjustment screw driver. Blade is spring loaded permitting it to follow the action of the work. Blade is chrome plated and firmly mounted in plastic handle.

Tool No.	Blade Width	Blade Length	O. A. Length	Weight 10 Pcs.
*SD-100	3/16"	3"	7"	1.8



### PLASTIC SCREW DRIVER HANDLES (Tenite)

High quality handles made by the extruded process. Clear amber color.

Tool No.	Length	Dia.	Depth	Hole	Dia.
SDH-263	3"	3/4"	1 1/4"		3/4"
SDH-265	3 1/2"	1"	1 3/4"		3/4"
SDH-265A	3 1/2"	1"	1 3/4"		3/2"
SDH-270	1 3/4"	1 1/4"	1 1/2"		1/4"
SDH-270A	1 3/4"	1 1/4"	1 1/2"		3/2"
SDH-275	3 1/2"	1 1/8"	2"		1/4"
SDH-275A	3 1/2"	1 1/8"	2"		3/2"
SDH-280	5"	1 1/4"	2 1/8"		3/4"
SDH-280A	5"	1 1/4"	2 1/8"		1 1/2"
SDH-285	5 1/2"	1 3/8"	2"		3/8"
SDH-285A	5 1/2"	1 3/8"	2"		3/16"

### WOOD HANDLES (Complete with Ferrule)

Tool No.	Length	Dia.	Depth	Hole	Dia.
SDH-507	3 1/8"	3/4"	1 3/8"		1/8"
SDH-517	4 1/8"	1"	1 7/8"		3/2"
SDH-523	2 1/2"	1 3/16"	1 1/2"		1 3/4"
SDH-536	4 7/8"	1 3/16"	2 1/4"		3/2"
SDH-543	5 1/8"	1 3/32"	2 3/8"		1 1/2"
SDH-554	6"	1 3/8"	3 1/8"		3/16"

### SPARK DETECTING SCREW DRIVERS

For testing spark plugs, auto and tractor ignition systems, x-ray and radio installations, etc. Neon tube in handle is visible through milled slot. When screw driver tip is placed on a firing spark plug, distributor or leak in ignition wiring, tube flashes an orange light.

Recommended for auto mechanics. Slow-burning plastic handle, black and transparent color. Tempered steel blade, crossground tip.

Tool No.	Blade	Dia.	Overall	Weight 1 Doz.
SD-139	4"	3/16"	8 1/2"	3 1/2 Lbs.

### FORGED ONE-PIECE BALL PEIN HAMMERS

Head can't fly off, and saves all danger, delay and expense from loose broken or splintered handles.

Genuine Leather Grip—can't loosen from shaft. Proven most comfortable and durable. Impervious to oil, grease or gasoline.

Tool No.	Wt. Head	Wt. Complete
BP-8	8 Oz.	1 lb.
BP-12	12 Oz.	1 1/2 Lbs.
BP-16	16 Oz.	1 3/4 Lbs.
BP-24	24 Oz.	2 Lbs.
BP-32	32 Oz.	2 1/2 Lbs.

### SHOP KNIFE

Can be used wherever you need a cutting tool with a razor-sharp edge. There is a use for one or more of these knives in every shop, office or home—to cut fibre composition board, auto top and upholstery materials, paper, cardboard and many other soft materials.

Simple to use—just take one of the blades from the handle compartment and place it in the holder. Screw the sides of the handle together and the blade is held in position. The extra blades are stored in the handle compartment. Protective blade guard furnished with each knife.

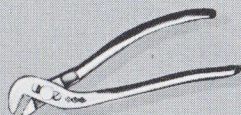
Tool No.	Length	Weight
K-199	6"	4 1/2 Oz.

### SCRATCH AWL

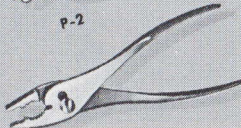
A quality tool. The blade extends completely through the handle. Highly ground and polished. For tire work and many miscellaneous uses.

Tool No.	Length Blade	Weight
SCA-800	6 1/2"	2 Oz.

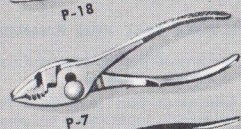
# Cornwell PLIERS



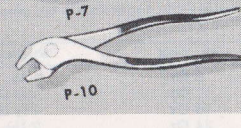
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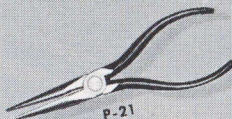
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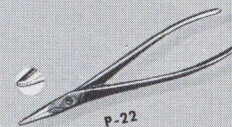
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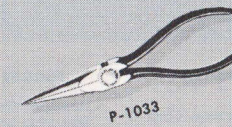
P-10



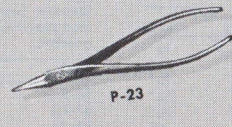
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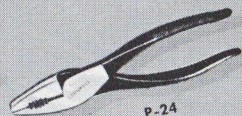
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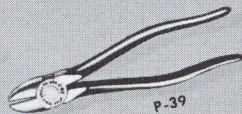
P-1033



P-23



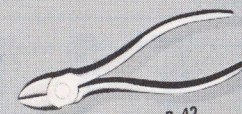
P-24



P-39



P-40-7



P-42

There is a Plier in the Cornwell line especially designed for every Plier need—for expert mechanics, for electrical repair shop, for aviation maintenance, for radio and television—and for any work requiring a dependable gripping Plier:

## IGNITION PLIERS

Tool No.	Length	Weight Per Doz.
P2	4"	1 ¼ Lbs.

## COMBINATION SLIP JOINT PLIERS

Tool No.	Length	Weight Per Doz.
P7	6"	5 Lbs.

## SPECIAL BATTERY PLIERS

Tool No.	Length	Weight Per Doz.
P10	7 ½"	6 Lbs.

## HEAVY DUTY PLIERS

Tool No.	Length	Weight Per Doz.
P18	9"	8 ½ Lbs.

## LONG CHAIN NOSE PLIER (Side Cutting)

Tool No.	Length	Weight Per Doz.
P21	7"	4 ¼ Lbs.

## DUCKBILL PLIER

Tool No.	Length	Weight Per Doz.
P22	7 ½"	4 ½ Lbs.

## NEEDLE NOSE PLIER

Tool No.	Length	Weight Per Doz.
P23	7 ½"	4 ½ Lbs.

## MECHANICS SLIP JOINT PLIER (Side Cutters)

Tool No.	Length	Weight Per Doz.
P24	7"	5 Lbs.

## LONG CHAIN NOSE PLIER

Tool No.	Length	Weight Per Doz.
P1033	7"	4 ¼ Lbs.

## HEAVY DUTY DIAGONAL PLIER

Tool No.	Length	Weight Per Doz.
P39	7"	7 ¾ Lbs.

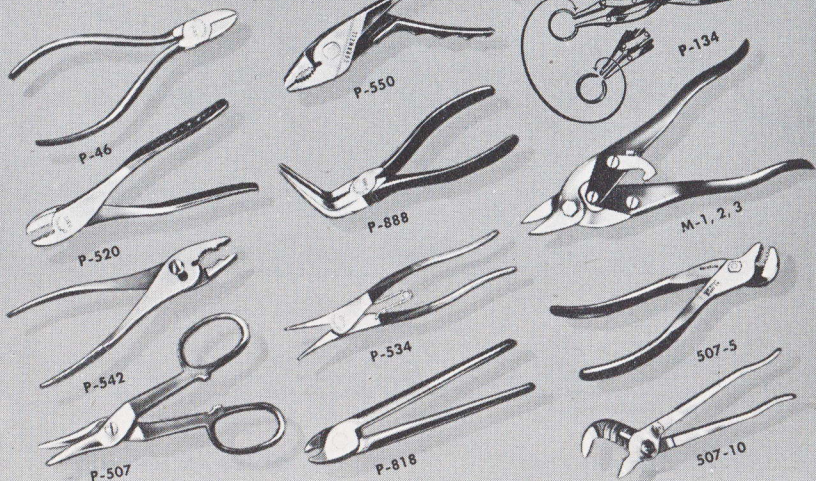
## HIGH LEVERAGE DIAGONAL PLIERS

Tool No.	Length	Weight Per Doz.
P40-7	7"	6 Lbs.

## ELECTRICIANS DIAGONAL PLIERS

Tool No.	Length	Weight Per Doz.
P42	6"	4 ¾ Lbs.

# Cornwell PLIERS



## DIAGONAL PLIERS

Tool No.	Length	Weight Per Doz.
P46	4"	1 1/2 Lbs.

## MIDGET IGNITION PLIERS

Tool No.	Length	Weight Per Doz.
P520	4 1/2"	1 1/4 Lbs.

## HEAVY DUTY SLIP JOINT PLIERS

Tool No.	Length	Weight Per Doz.
P542	6"	5 3/4 Lbs.

## METAL CUTTING SNIPS

Tool No.	Length	Weight Per Doz.
P507	7"	6 Lbs.
P512	12"	21 Lbs.

## PISTOL GRIP SLIP JOINT PLIERS

Tool No.	Length	Weight Per Doz.
P550	8"	7 3/4 Lbs.

## CURVED NEEDLE NOSE PLIERS

Tool No.	Length	Weight Per Doz.
P888	6"	3 1/2 Lbs.

## LONG RING HORSESHOE PLIERS

Tool No.	Length	Weight Per Doz.
P534	7"	4 1/2 Lbs.

## HOG RING PLIERS

Tool No.	Length	Weight Per Doz.
P818	..	4 3/4 Lbs.

## TRANSMISSION SNAP RING MASTER PLIERS

Tool No.	Length	Weight Per Doz.
P134	9"	4 Lbs.

## AVIATION SNIPS

Tool No.	Cut Length	Length	Weight Per Doz.
M1	Cuts left 1 3/8"	10"	9 Lbs.
M2	Cuts right 1 3/8"	10"	9 Lbs.
M3	Cuts straight & Combination 1 1/2"	10"	9 Lbs.

## "RIB-JOINT" IGNITION PLIERS

Tool No.	Length	Weight Per Doz.
507-5	5"	1 1/2 Lbs.

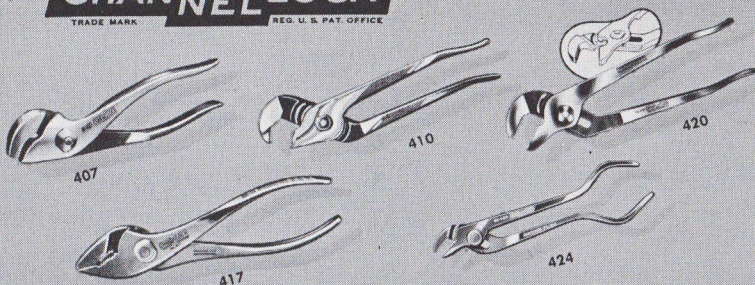
## "RIB-JOINT" UTILITY PLIERS

Tool No.	Length	Weight Per Doz.
507-10	10"	9 Lbs.

# Self **CHANNELLOCK** Gripping

TRADE MARK

REG. U. S. PAT. OFFICE



Channellock Self-Gripping Pliers incorporate the new revolutionary, powerful gripping, design providing a quick, positive grip when pressure is applied to only one handle. The greater the pressure, the tighter the grip. The exclusive tongue and groove joint makes a plier far superior to the conventional type of adjustable plier for these reasons: —Greater Strength, Longer Wearing, Closely Spaced Adjustments, Self Cleaning, Visible Adjustment, No wear on Joint Bolt. They are forged from high grade steel, and properly heat treated.

## NO. 407 GRIPPING PLIER

This No. 407 plier is primarily intended for battery work. The self-gripping feature insures a positive grip on acid corroded and mutilated terminal nuts. Its adjustable feature also makes it indispensable for many other kinds of work. Polished steel finish. Two adjustments. Knurled grips. Packed ½ dozen per carton.

Tool No.	Length	Capacity	Wt. Per Doz.
407	7"	⅛" to ⅜"	6 ¼ Lbs.

## NO. 410 GRIPPING PLIER

Our No. 410 is a heavy-duty self-gripping plier which will hold work of any shape with a positive pipe wrench grip. Will exceed a pipe wrench in usefulness because of its light weight and streamlined design. Polished steel finish. Four adjustments. Packed ½ dozen per carton.

Tool No.	Length	Capacity	Wt. Per Doz.
410	9 ½"	⅞" to 1 ⅛"	12 ½ Lbs.

## NO. 417 GENERAL UTILITY PLIER

The No. 417 is a heavy-duty plier with a gripping power many times greater than the ordinary slip-joint plier. Polished steel finish. Its superiority can only be appreciated by actual use. Three adjustments. Knurled grips. Packed ½ dozen per carton.

Tool No.	Length	Capacity	Wt. Per Doz.
417	7"	⅜"	6 ¾ Lbs.

## THE NEW 420 PUMP PLIER

Five adjustments. The wide range of adjustments of the No. 420 Pump Plier makes it adaptable to a multitude of uses. New strength has been added by the patented design of the tension edge. Interlocking channels and lugs prevent slipping. Wide base lugs provide maximum cross section strength. Also available without teeth for special applications. Specify 420-P. Priced and Packed same as No. 420. Packed ½ dozen per carton.

Tool No.	Length	Capacity	Wt. Per Doz.
420	9 ½"	1 ¾"	9 Lbs.

## NO. 424 IGNITION PLIER

This No. 424 ignition plier incorporates the Channellock adjustment feature in order to eliminate wear on the joint bolt and lengthen the life of the tool. A midjet plier. Polished steel finish. Four adjustments. Packed ½ dozen per carton.

Tool No.	Length	Capacity	Wt. Per Doz.
424	4 ½"	½"	16 Oz.

## PLASTIC GRIPS FOR PLIERS FOR 6 INCH CHANNELLOCK PLIERS

(No's. 326, 3026, 346, 3046, 366, 3066, 436, 516)

## FOR 7 INCH CHANNELLOCK PLIERS

(No's. 407, 417, 307, 317 ½, 3017 ½, 337, 347, 3047, 437, 537)

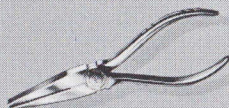
## FOR 8 AND 9 ½ INCH CHANNELLOCK PLIERS

(No's. 410, 420, 348 ½, 3048 ½, 568, 378, 3078)

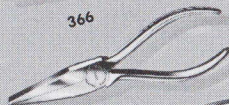
# Standard CHANNEL LOCK Pattern

TRADE MARK

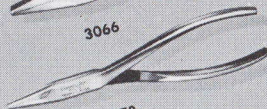
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366



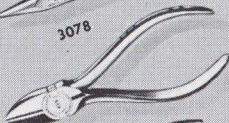
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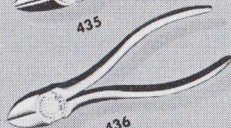
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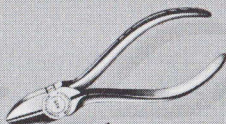
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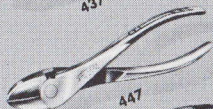
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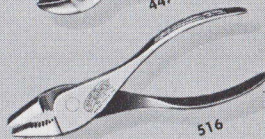
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437



447



516

## FLAT-NOSE PLIER WITH SIDE-CUTTER

Tool No.	Length	Weight Per Doz.
366	6"	3 1/2 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

## FLAT-NOSE PLIER WITHOUT SIDE-CUTTER

Tool No.	Length	Weight Per Doz.
3066	6"	3 1/2 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

## LONG REACH DUCK-BILL PLIER

Tool No.	Length	Weight Per Doz.
378	8"	5 Lbs.

Polished steel finish. Packed 1/2 dozen per carton.

## LONG REACH NEEDLE-NOSE PLIER

Tool No.	Length	Weight Per Doz.
3078	8"	4 1/2 Lbs.

Polished steel finish. Packed 1/2 dozen per carton.

## DIAGONAL CUTTING PLIER—BOX JOINT

Tool No.	Length	Weight Per Doz.
435	5"	2 3/4 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

## DIAGONAL CUTTING PLIER—BOX JOINT

Tool No.	Length	Weight Per Doz.
436	6"	4 1/2 Lbs.

Polished steel finish. Knurled grips. Also available ground as Flush Cutter. Specify "No. 436 Flush Cutter." Packed 1/2 dozen per carton.

## DIAGONAL CUTTING PLIER—BOX JOINT

Tool No.	Length	Weight Per Doz.
437	7"	6 1/4 Lbs.

Polished steel finish. Knurled grips. A popular plier with automobile and airplane mechanics. Packed 1/2 dozen per carton.

## CURVED DIAGONAL CUTTING PLIER—LAP JOINT

Tool No.	Length	Weight Per Doz.
447	7"	7 Lbs.

Polished steel finish. Packed 1/2 dozen per carton.

## SLIP-JOINT PLIER—THIN NOSE

Tool No.	Length	Weight Per Doz.
516	6"	4 3/4 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

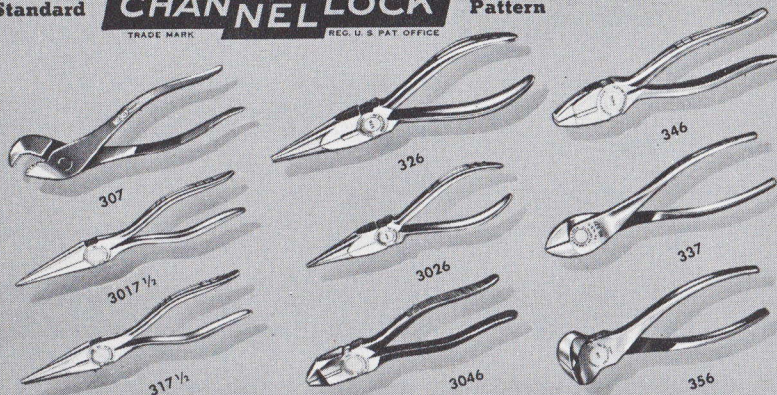
Standard

**CHANNEL LOCK**

TRADE MARK

REG. U. S. PAT. OFFICE

Pattern



These Channellock Standard Pattern Pliers do not have the patented tongue and groove Channellock joint. However, they are manufactured with the same precision workmanship and high quality material. Each plier is tested far beyond its intended capacity.

**BATTERY PLIER—LAP JOINT**

Tool No.	Length	Weight Per Doz.
307	7"	4 1/4 Lbs.

Capacity 1/4" to 3/8". Blue finish.  
Packed 1/2 dozen per carton.

**LONG-NOSE PLIER WITHOUT SIDE CUTTER**

Tool No.	Length	Weight Per Doz.
3017 1/2	7 1/2"	5 Lbs.

Polished steel finish. Knurled grips. Point 3/32" Rd.  
Packed 1/2 dozen per carton.

**LONG-NOSE PLIER WITH SIDE-CUTTER**

Tool No.	Length	Weight Per Doz.
317 1/2	7 1/2"	5 Lbs.

Polished steel finish. Knurled grips. Point 3/32" Rd.  
Packed 1/2 dozen per carton.

**LONG-NOSE PLIER WITH SIDE-CUTTER**

Tool No.	Length	Weight Per Doz.
326	6"	3 3/4 Lbs.

Polished steel finish. Knurled grips. Point 3/32" Rd.  
Packed 1/2 dozen per carton.

**LONG-NOSE PLIER WITHOUT SIDE-CUTTER**

Tool No.	Length	Weight Per Doz.
3026	6"	3 3/4 Lbs.

Polished steel finish. Knurled grips. Point 3/32" Rd.  
Packed 1/2 dozen per carton.

**LINEMEN'S PLIER—BEVEL NOSE**

Tool No.	Length	Weight Per Doz.
3046	6"	5 Lbs.
3047	7"	7 Lbs.
3048 1/2	8 1/2"	10 3/4 Lbs.

Polished steel finish. Knurled grips. Side-cutter.  
Packed 1/2 dozen per carton.

**LINEMEN'S PLIER—ROUNDED NOSE**

Tool No.	Length	Weight Per Doz.
346	6"	5 Lbs.
347	7"	6 3/4 Lbs.
348 1/2	8 1/2"	10 3/4 Lbs.

Polished steel finish. Knurled grips. Side-cutter.  
Packed 1/2 dozen per carton.

**DIAGONAL CUTTING PLIER—LAP JOINT**

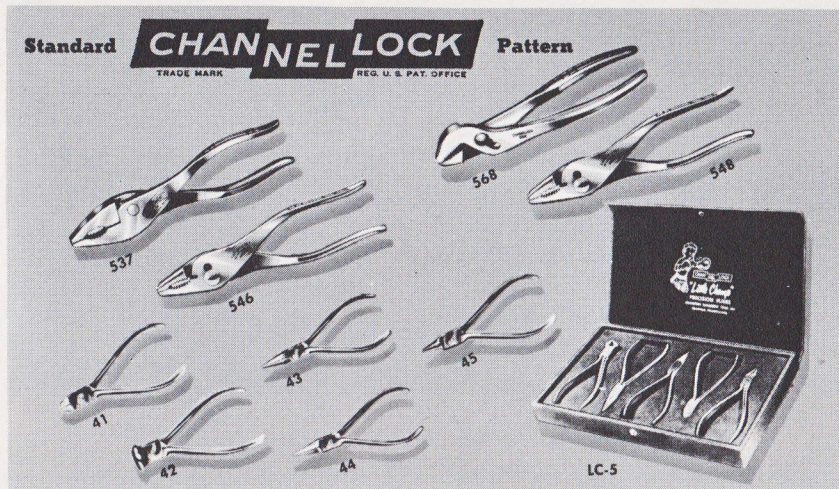
Tool No.	Length	Weight Per Doz.
337	7"	6 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

**END CUTTER**

Tool No.	Length	Weight Per Doz.
356	6"	5 Lbs.
357	7"	7 1/2 Lbs.

Polished steel finish. Knurled Grips.  
Packed 1/2 dozen per carton.

**SLIP-JOINT PLIER WITH SIDE-CUTTER**

Tool No.	Length	Weight Per Doz.
537	7"	6 3/4 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

**SLIP-JOINT PLIER—HEAVY DUTY WITH CUTTER**

Tool No.	Length	Weight Per Doz.
546	6"	5 1/2 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

**SLIP-JOINT PLIER—HEAVY DUTY WITH CUTTER**

Tool No.	Length	Weight Per Doz.
548	8"	7 1/2 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

**ANGLE-NOSE PLIER—SLIP-JOINT**

Tool No.	Length	Weight Per Doz.
568	8"	8 1/4 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

**SLIP-JOINT PLIER—HEAVY DUTY WITH CUTTER**

(Not Illustrated)

Tool No.	Length	Weight Per Doz.
5410	10"	10 1/2 Lbs.

Polished steel finish. Knurled grips.  
Packed 1/2 dozen per carton.

**"LITTLE CHAMP" PRECISION PLIERS**

A line of finest precision Pliers specially designed for delicate bench work. Used extensively in the fields of electronics, jewelry, invention, model building and watch making. Made with the same fine production methods and materials as other highest quality Channellock items.

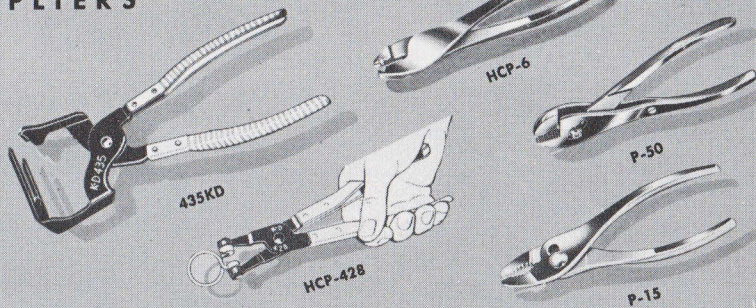
Tool No.	Description	Size	Wt. Per Doz.
41	Diagonal Pliers	4 1/2"	1 Lbs.
42	End Cutter	4 1/2"	1 1/2 Lbs.
43	Long Nose	4 1/2"	1 1/4 Lbs.
44	Flat Nose	4 1/2"	1 1/2 Lbs.
45	Round Nose	4 1/2"	1 1/4 Lbs.

**MIDGET PLIER SET**

Consisting of one each of Nos. 41, 42, 43, 44 and 45. Packed in handy, attractive Plastic, velvet lined case.

Tool No.	Weight
LC-5	Midget Plier Set 1 lb. 10 oz.

## Cornwell PLIERS



### DOOR HANDLE REMOVER

For all Chrysler, DeSoto, Dodge, Plymouth from 1955. Also services 1955 Packard.

On door handles held by a spring clip retainer, the spring clip must be released from a groove in the shaft before the handle can be removed. Especially designed to do this job quickly without any possible damage to the upholstery. The tool is also used for removing interior door trim panels. The pronged jaw prevents the clips from pulling through the panel. All steel rustproof construction. Jaws correctly tempered. Non-slip handle grips. 9" long. Packed in carton with complete instructions.

Tool No.	Weight
435KD	8½ Oz.

### HOSE CLAMP PLIERS

For removing, installing self-tightening wire hose clamps located at any position on the motor.

The HCP-428 with swivel jaws makes the job easy. It's slim so it can reach into tight places to remove or install clamps. Jaws swivel through 180°, permitting removal or installation of clamps at any position, in tight, hard-to-get-at places. Deep slots in the jaws hold the clamp securely and safely. All steel construction with tempered jaws, knurled handles. Services all sizes of self-tightening spring wire hose clamps, large or small, industrial and automotive. Jaws will close fully so small size clamps can be expanded completely. Length, 8¼ inches.

Tool No.	Weight
HCP-428	6½ Oz.

### HOSE CLAMP PLIER

A new plier designed especially for applying and removing the new spring hose clamp, standard on many new cars. The recess in the jaws grip the end of the spring so it is impossible for it to slip or twist. Grips with either end or side of the jaw making it easy to get into tight places. Nickel Chrome Finish. Length Overall 8". Capacity in inches 0 to 1¾.

Tool No.	Weight
HCP-6	8 Oz.

### MULTI-PLIER

"A Chest of Tools in One". This revolutionary Plier is perfect for countless jobs, and is a "must" for all tool users. Patented three-piece compound-leverage design multiplies applied pressure ten times. Non-slip jaws open to 1¼". Unique diagonal four position slot gives closer, easier jaw adjustments, and reduces wedge action and wear. Length 8".

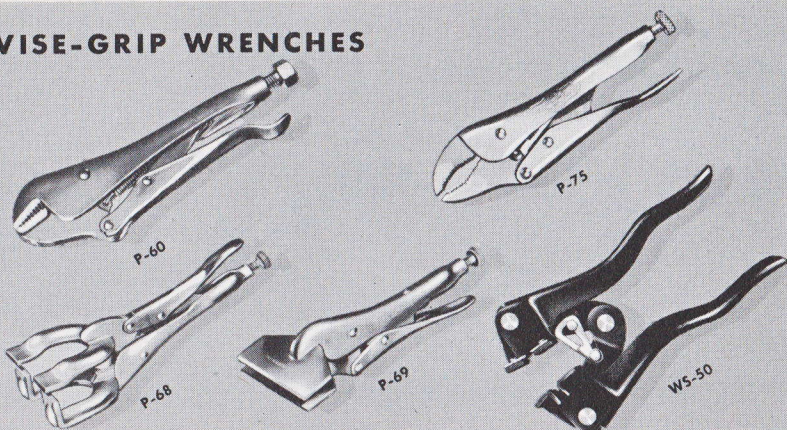
Tool No.	Weight
P-50 Multi-Plier	8 Oz.

### UTILITY SLIP JOINT PLIER

A very handy 5" plier for general utility. Fits easily in the pocket. Has two jaw opening adjustments and a sheer type wire cutter. Handsome full chrome finish.

Tool No.	Weight
P-15	4 Oz.

## WISE-GRIP WRENCHES



### PETERSON VISE-GRIP WRENCH

Vise Grip Wrench is a light, trim, adjustable wrench with tremendous gripping power that locks to the work with a vise-like grip that will not slip. Has more uses than any other single tool on the market.

Tool No.	Length	Wt. Per Doz.
P60	7"	9 Lbs.
P62	9"	15 Lbs.

### WISE-GRIP WELDING CLAMP

The only welding clamp with toggle action and positive lock. Both hands free for welding work. Clamp remains locked to work with hands removed. Aligns parts for welding almost instantly. U-shaped jaws provide perfect visibility and working room.

Tool No.	Size	Jaw Adjustment	Wt. Per Doz.
P68	9"	Up to 1 5/8"	19 1/2 Lbs.

### PETERSON THIN NOSE VISE-GRIP WRENCHES

These great new Vise-Grip wrenches provide versatility never before achieved in any hand tool. Provide a range of jaw openings never thought possible in tools of these handy sizes. The 7" size will open wider than an ordinary 12" adjustable end wrench. Available with or without wire cutter.

Tool No.	Length	Wt. Per Doz.
P80	7" With Cutter	10 Lbs.
P70	7" Without Cutter	10 Lbs.
P85	10" With Cutter	16 Lbs.
P75	10" Without Cutter	16 Lbs.

### WISE-GRIP SHEET METAL TOOL

For those on-the-spot jobs, away from regular shop equipment. Same locking principle as famous Vise-Grip Wrench. Provides a powerful non-slip grip and eliminates hand gripping. Quickly adjustable to plier action—widely adaptable.

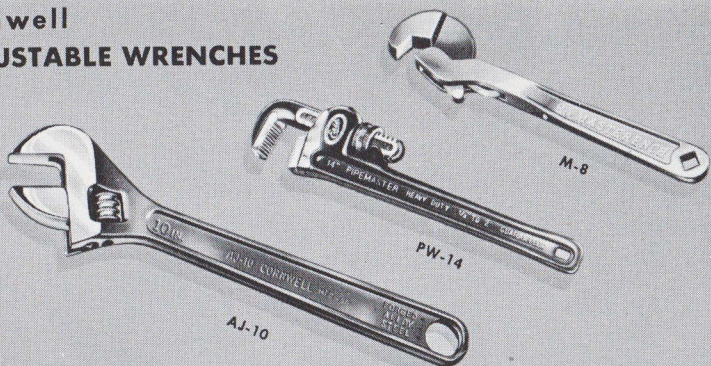
Tool No.	Jaw Width	Throat Depth	Length	Wt. Per Doz.
P69	3 1/8"	1 3/4"	8"	15 Lbs.

### CORNWELL WIRE STRIPPER

No tool box is complete without this wire stripper. Sturdy in construction; replaceable precision milled cutters with automatic grip release after stripping. Simple, durable and inexpensive.

Tool No.	Weight Per Doz.
WS50—Wire Stripper 3-hole blade, takes wires up to 5/16" O.D. gauges No. 12 and smaller.	8 lbs.
WS50B Extra Blades.	

## Cornwell ADJUSTABLE WRENCHES



### CORNWELL ADJUSTABLE WRENCHES 22 1/2° Angle

Drop Forged from the finest-grade of Alloy Steel. Hand-some Chrome Plated, second to none in appearance, strength and durability. The jaws are thin—so thin they reach difficult spots with no trouble at all. They're strong too—drop forged like the frames from tough Alloy Steel to withstand rigorous breakage tests which most wrenches of this type could never meet! Jaws and other vital areas are INDUCTION HARDENED. Tests show that Cornwell adjustable wrenches last ten times as long as ordinary adjustable wrenches.

Tool No.	Size	Packed Wt. Per Doz. Pounds
AJ-4	4"	1 1/4
AJ-6	6"	3 1/2
AJ-8	8"	6 1/2
AJ-10	10"	11
AJ-12	12"	18
AJ-15	15"	42
AJ-18	18"	70
AJ-24	24"	110

### "ERIE PIPEMASTER" WRENCHES Heavy Duty — Straight Pattern

A wrench of fine design, high quality and appearance. Has fine ratcheting action, unconditionally guaranteed. Also available in offset pattern on special order.

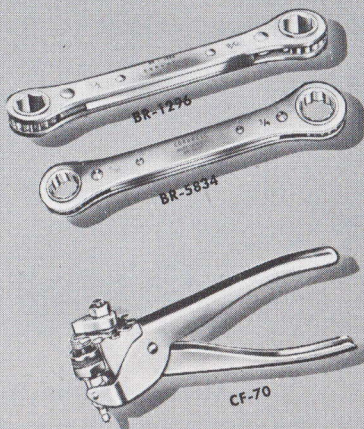
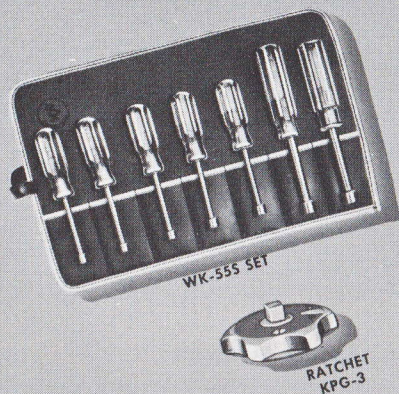
Tool No.	Size	Capacity	Standard Pack Per Ctn.	Packed Weight Pounds
PW-6	6"	1/8" to 3/4"	6	3
PW-8	8"	1/8" to 1"	6	6
PW-10	10"	1/8" to 1 1/2"	6	12
PW-12	12"	1/8" to 2"	6	18
PW-14	14"	1/4" to 2"	6	21
PW-18	18"	1/4" to 2 1/2"	6	33
PW-24	24"	1/4" to 3"	6	58

### MASTERENCH

The Masterench takes hold of any nut or pipe instantly without adjustment. Always ready for use. A simple ratcheting action makes it self-adjustable.

Tool No.	Size	Weight Per Doz. Pounds
M-6	6"	3 1/2
M-8	8"	7 1/2
M-10	10"	12
M-14	14"	32
M-18	18"	52

## Miscellaneous TOOLS



### CORNWELL NUT DRIVERS

Precision formed; handles of special plastic resistant to shock. Fits nuts snugly and deep. Depth of shaft hole  $1\frac{1}{4}$ ".

Tool No.	Opening-Hex	Weight
ND-6	$\frac{3}{16}$ "	6 oz.
ND-7	$\frac{7}{32}$ "	6 oz.
ND-8	$\frac{1}{4}$ "	8 oz.
ND-9	$\frac{9}{32}$ "	8 oz.
ND-10	$\frac{5}{16}$ "	10 oz.
ND-11	$11\frac{32}$ "	10 oz.
ND-12	$\frac{3}{8}$ "	12 oz.
ND-14	$\frac{7}{16}$ "	12 oz.
ND-16	$\frac{1}{2}$ "	14 oz.

WK-55 —Set as listed above, Tools only, except ND-14 and ND-16. Weight 3 lbs.

WK-55K—Kit only.

WK-555—Complete Set, Tools and Kit. (Also sold individually)

### PALM GRIP REVERSIBLE RATCHET

A very handy and useful tool which may be used with any  $\frac{3}{8}$ " square drive socket wrench or attachment.

Turns like a door-knob and finger-fit edges lets your whole hand do the work, you can bear down with no wrist strain or blistered palms. Smooth, sure action.

The reversible feature is unique in a tool of this kind.

Tool No.	Square Drive	Weight 10 Pcs.
KPG-3	$\frac{3}{8}$ "	4-7/10 lbs.

### RATCHETING BOX WRENCHES Double End

Speed up the work. Handy in limited spaces and on manifold nuts, exhaust nuts and body bolts. Thin design of sturdy construction. Three sizes in 6-point and two sizes in 12-point.

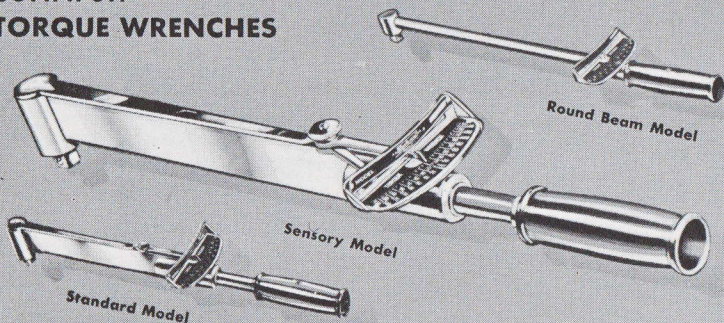
Tool No.	Description	Weight
BR-1456	$\frac{1}{4}$ " x $\frac{5}{16}$ " — 6-Point	7 oz.
BR-3876	$\frac{3}{8}$ " x $\frac{7}{16}$ " — 6-Point	8 oz.
BR-1296	$\frac{1}{2}$ " x $\frac{9}{16}$ " — 6-Point	10 oz.
BR-3896	$\frac{3}{8}$ " x $\frac{9}{16}$ " — 6-Point	9 oz.
BR-58116	$\frac{5}{8}$ " x $1\frac{1}{16}$ " — 12-Point	14 oz.
BR-3478	$\frac{3}{4}$ " x $\frac{7}{8}$ " — 12-Point	1 lb.
BR-5834	$\frac{5}{8}$ " x $\frac{3}{4}$ " — 12-Point	1 lb.

### SPARK PLUG GAPPING TOOL

This tool is fast, accurate and automatic. Assures a uniform, parallel gap for a faster, surer spark, and the motor runs smoother with greater power. A time saver because the tool gauges and sets the electrodes in one fast operation. Gauge wheel sets instantly for any car, manufacturers plug specifications. Gauging is precise, without customary spring-back. Large easy-to-read numbers on spring steel gauge wheel—.022, .025, .026, .028, .030, .032, .035, .036, .038 and .040.

Tool No.	Weight
CF-70	14 oz.

## Cornwell TORQUE WRENCHES



### SENSORY SIGNALLING TORQUE WRENCH

The "S" model Torque wrenches are equipped with the patented Sensory signalling mechanism which functions entirely independent of the measuring element. The Sensory mechanism (1st) sounds a distinct CLICK, (2nd) imparts a strong, definite IMPULSE to the hand the instant the pre-set (desired) Torque is applied and (3rd) may be read by SIGHT. The Torque may be easily seen as the pointer indicates the Torque being applied on a legible dial that is readable from all working angles. Thus, through three (3) senses, SIGHT, SOUND and FEEL, or through any one of the Sensory impulses, the operator automatically releases his pull on the Torque wrench.

THE SENSORY SIGNALLING MECHANISM is independent from the measuring element.

DIRECT READING DIAL permits on the job re-check of the pre-set Torque.

PATENTED PIVOTED HANDLE permits accurate and correct Torque control when Torque wrench is used with adaptors and extensions.

### STANDARD MODEL TORQUE WRENCH

Long Life, Laboratory Accuracy, Indestructible Design, Permanently Accurate. The same in every respect as the Sensory Signalling Torque Wrench except that it is NOT equipped with the Sensory Signalling mechanism.

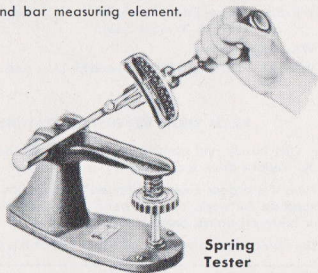
### SPRING TESTER

With this sensitive spring tester and any accurate Torque wrench it is possible to check the strength of valve and clutch spring to be in accordance with manufacturer's spring specifications.

A tone device sounds the instant the spring is compressed to the desired length which may be pre-set by an adjustment of the spring platform on the threaded column.

### ROUND BEAM MODEL TORQUE WRENCH

Moderately Priced, Compact Design, Guaranteed Accuracy. The "R" model Torque wrench features the special round bar measuring element, designed for work in close quarters. Those with the prefix letters "DR" are equipped with a double round bar measuring element.



# CORNWELL TORQUE WRENCHES

## SENSORY MODELS—Capacities and Dimensions

Tool No.	Torque Capacity	Graduations In Steps Of	Drive Square Size (Inches)	Lever Arm Distance (Inches)	Pull Required Maximum Scale	Overall Length (Inches)	Weight (Pounds)
	Inch-Lbs.	Inch-Lbs.			Pounds		
S300-I	0 to 300	12 1/2	3/8 or 1/2	13 1/2	22.2	16	2 3/4
S600-I	0 to 600	25	3/8 or 1/2	13 1/2	44.4	16	2 3/4
S1200-I	0 to 1200	50	1/2	15	80.0	17 1/2	2 3/4
S1800-I	0 to 1800	50	1/2	18	100.0	20 1/8	3 3/4
S2400-I	0 to 2400	50	1/2 or 3/4	24	100.0	28 1/8	7 3/4
S3600-I	0 to 3600	100	3/4	30	120.0	34 1/4	10 3/4
	Foot-Pounds	Foot-Pounds			Pounds		
S25	0 to 25	1	3/8 or 1/2	13 1/2	22.2	16	2 3/4
S50	0 to 50	2 1/2	3/8 or 1/2	13 1/2	44.4	16	2 3/4
S100	0 to 100	5	1/2	15	80.0	17	2 3/4
S150	0 to 150	5	1/2	18	100.0	20 1/8	3 3/4
S200	0 to 200	5	1/2 or 3/4	24	100.0	28 1/8	7 3/4
S300	0 to 300	10	3/4	30	120.0	34 1/4	10 3/4

## STANDARD MODELS—Capacities and Dimensions

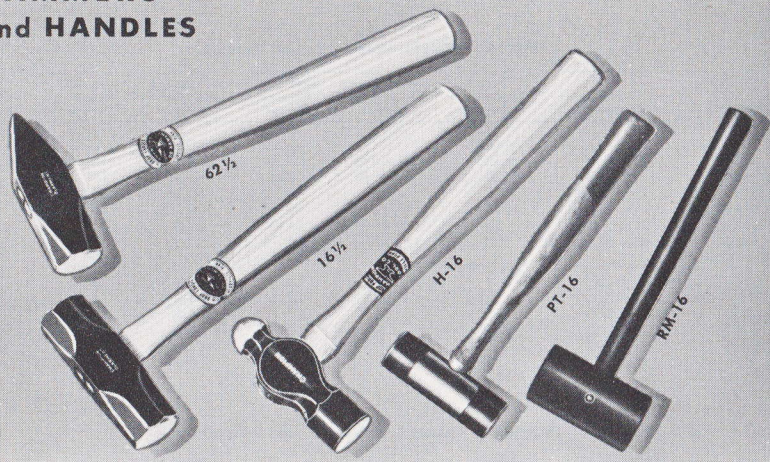
	Inch-Lbs.	Inch-Lbs.			Pounds		
F-300-I	0 to 300	12 1/2	3/8 or 1/2	13 1/2	22.2	16	2 3/4
F600-I	0 to 600	25	3/8 or 1/2	13 1/2	44.4	16	2 3/4
F1200-I	0 to 1200	50	1/2	15	80.0	17 1/2	2 3/4
F1800-I	0 to 1800	50	1/2	18	100.0	20 1/8	3 3/4
F2400-I	0 to 2400	50	1/2 or 3/4	24	100.0	28 1/8	7 3/4
F3600-I	0 to 3600	100	3/4	30	120.0	34 1/4	10 3/4
	Foot-Lbs.	Inch-Lbs.			Pounds		
F25	0 to 25	1	3/8 or 1/2	13 1/2	22.2	16	2 3/4
F50	0 to 50	2 1/2	3/8 or 1/2	13 1/2	44.4	16	2 3/4
F100	0 to 100	5	1/2	15	80.0	17 1/2	2 3/4
F150	0 to 150	5	1/2	18	100.0	20 1/8	3 3/4
F200	0 to 200	5	1/2 or 3/4	24	100.0	28 1/8	7 3/4
F300	0 to 300	10	3/4	30	120.0	34 1/4	10 3/4

## ROUND BEAM MODELS—Capacities and Dimensions

	Inch-Lbs.	Inch-Lbs.			Pounds		
DR100-I	0 to 100	5	3/8				
DR200-I	0 to 200	10	3/8				
DR300-I	0 to 300	12 1/2	3/8 or 1/2				
R600-I	0 to 600	25	3/8 or 1/2	13 3/16†	45.1	15 11/16	1 1/4
R1200-I	0 to 1200	50	1/2	16 11/16†	72.2	19 3/16	2
R1800-I	0 to 1800	50	1/2	16 11/16†	107.9	19 3/16	2 1/8
R2400-I	0 to 2400	100	1/2	19 1/4†	124.7	21 3/4	2 1/2
	Foot-Lbs.	Foot-Lbs.			Pounds		
DR25	0 to 25	1	3/8 or 1/2				
R50	0 to 50	2 1/2	3/8 or 1/2	13 3/16†	45.1	15 11/16	1 1/4
R100	0 to 100	5	1/2	16 11/16†	72.2	19 3/16	2
R150	0 to 150	5	1/2	16 11/16†	107.9	19 3/16	2 1/8
R200	0 to 200	10	1/2	19 1/4†	124.7	21 3/4	2 1/2

†Measure when computing for use with adaptors and extensions.

## HAMMERS and HANDLES



### BLACKSMITH'S HAND HAMMER

Black forged finish, polished face, Hickory Handle—a strong and sturdy hammer.

Tool No.	Weight	Tool No.	Weight
62 1/2-0	1 lb. 8 oz.	62 1/2-3	3 lbs.
62 1/2-1	2 lbs.	62 1/2-4	3 lbs. 8 oz.
62 1/2-2	2 lbs. 8 oz.	62 1/2-5	4 lbs.

### ENGINEER'S HAMMER—DOUBLE FACE

Black forged finish—Polished faces—Hickory handle.

Tool No.	Weight
16 1/2-1	1 lb. 8 oz.
16 1/2-2	2 lb. 8 oz.
16 1/2-3	3 lb. 8 oz.

### CORNWELL BALL PEIN HAMMERS

Drop Forged from the finest steels. Uniformly heat treated to provide long service and to prevent chipping or spawling. Heads finished smooth black enamel. Faces and Peins polished bright. White second growth hickory handles are wedged securely in heads.

Tool No.	Hammers Size in Lbs.	Weight	Handle Only
H-2	1/8	2 oz.	2-H
H-4	1/4	4 oz.	4-H
H-8	1/2	8 oz.	8-H
H-12	3/4	12 oz.	12-H
H-16	1	1 lb.	16-H
H-24	1 1/2	1 1/2 lbs.	24-H
H-32	2	2 lbs.	32-H
H-40	2 1/2	2 1/2 lbs.	40-H
H-48	3	3 lbs.	48-H

### PYROLIN TIPPED HAMMERS

These hammers were designed for the mechanic requiring a light, tough, resilient hammer when working on delicate machine parts, such as wrist pins, gears, bearings, radio, refrigerator, body work or electrical parts that would be damaged if a hard metal hammer were used. Replaces lead or copper hammers. Body is made of tough steel, handle is high grade hickory. Will give long service. Extra tips may be purchased and are easily replaced.

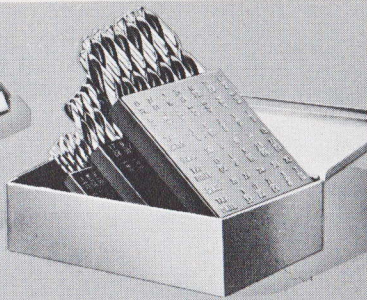
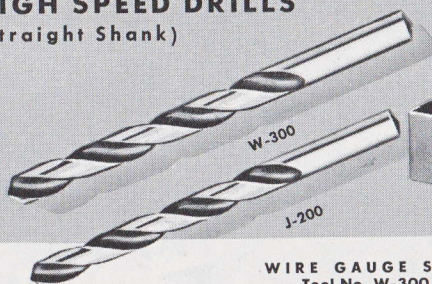
Tool No.	Tip Dia.	Weight
PT-8	1"	8 oz.
PT-16	1 3/8"	16 oz.
PT-32	1 3/4"	32 oz.
PT-8A	Tips only for 1/2 lb.	
PT-16A	Tips only for 1 lb.	
PT-32A	Tips only for 2 lbs.	

### RUBBER Mallet

Made of high grade, live rubber, not scrap rubber. The head molded on the handle, which has ridges thus preventing the head from coming off. Screw anchored.

Tool No.	Weight
RM- 8	8 oz.
RM-16	16 oz.

# Cornwell HIGH SPEED DRILLS (Straight Shank)



## JOBBER'S LENGTH

Tool No.	Diameter Inches	Length Overall Inches
J-200	1/64	3/4
J-200	1/32	1 3/8
J-200	3/64	1 3/4
J-200	1/16	1 7/8
J-200	3/64	2
J-200	7/32	2 1/4
J-200	3/64	2 3/8
J-220	1/8	2 3/4
J-200	3/64	2 7/8
J-200	7/32	3 1/8
J-200	1/16	3 1/4
J-200	3/16	3 1/2
J-200	13/64	3 3/8
J-200	7/32	3 3/4
J-200	13/64	3 7/8
J-200	1/4	4
J-200	13/64	4 1/8
J-200	7/32	4 1/4
J-200	13/64	4 3/8
J-200	3/16	4 1/2
J-200	21/64	4 5/8
J-200	11/32	4 3/4
J-200	23/64	4 7/8
J-200	3/8	5
J-200	23/64	5 1/8
J-200	13/32	5 1/4
J-200	27/64	5 3/8
J-200	7/16	5 1/2
J-200	29/64	5 5/8
J-200	11/32	5 3/4
J-200	31/64	5 7/8
J-200	1/2	6

## WIRE GAUGE SIZE Tool No. W-300

Wire Gauge Number	Decimal Equivalent Inches	Length Overall Inches
1	.2280	3 3/8
2	.2210	3 3/8
3	.2130	3 3/4
4	.2090	3 3/4
5	.2055	3 3/4
6	.2040	3 3/4
7	.2010	3 3/8
8	.1990	3 3/8
9	.1960	3 3/8
10	.1935	3 3/8
11	.1910	3 1/2
12	.1890	3 1/2
13	.1850	3 1/2
14	.1820	3 3/8
15	.1800	3 3/8
16	.1770	3 3/8
17	.1730	3 3/8
18	.1695	3 1/4
19	.1660	3 1/4
20	.1610	3 1/4
21	.1590	3 1/4
22	.1570	3 3/8
23	.1540	3 3/8
24	.1520	3 3/8
25	.1495	3
26	.1470	3
27	.1440	3
28	.1405	2 7/8
29	.1360	2 7/8
30	.1285	2 3/4
31	.1200	2 3/4
32	.1160	2 3/4
33	.1130	2 3/8
34	.1110	2 3/8
35	.1100	2 3/8
36	.1065	2 1/2
37	.1040	2 1/2
38	.1015	2 1/2
39	.0995	2 3/8
40	.0980	2 3/8

Wire Gauge Number	Decimal Equivalent Inches	Length Overall Inches
41	.0960	2 3/8
42	.0935	2 1/4
43	.0890	2 1/4
44	.0860	2 1/8
45	.0820	2 1/8
46	.0810	2 1/8
47	.0785	2
48	.0760	2
49	.0730	2
50	.0700	2
51	.0670	2
52	.0635	1 3/8
53	.0595	1 3/8
54	.0550	1 3/8
55	.0520	1 3/8
56	.0465	1 3/4
57	.0430	1 3/4
58	.0420	1 3/8
59	.0410	1 3/8
60	.0400	1 3/8
61	.0390	1 3/8
62	.0380	1 1/2
63	.0370	1 1/2
64	.0360	1 1/2
65	.0350	1 1/2
66	.0330	1 3/8
67	.0320	1 3/8
68	.0310	1 3/8
69	.0292	1 3/8
70	.0280	1 1/4
71	.0260	1 1/4
72	.0250	1 1/8
73	.0240	1 1/8
74	.0225	1
75	.0210	1
76	.0200	3/8
77	.0180	3/8
78	.0160	3/8
79	.0145	3/4
80	.0135	3/4

## SETS

### HU-60 Set — 60 Drills

Consisting of sizes 1 to 60.  
Complete with Huot All-Steel Index. Weight 1 lb. 7 oz.

### HU-29 Set — 29 Drills

Consisting of sizes 1/16" to 1/2"  
x 64ths. Complete with Huot All-Steel Index. Weight 3 lbs. 4 oz.

### HU-20 Set — 20 Drills

Consisting of sizes 61 to 80.  
Complete with Huot All-Steel Index. Weight 1 lb.

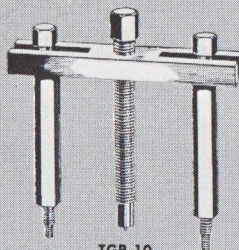
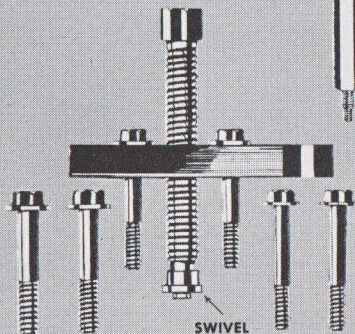
### HU-15 Set — 15 Drills

Consisting of sizes 1/16" to 1/2"  
x 32nds. Complete with Huot All-Steel Index. Weight 2 lbs. 8 oz.

### HU-13 Set — 13 Drills

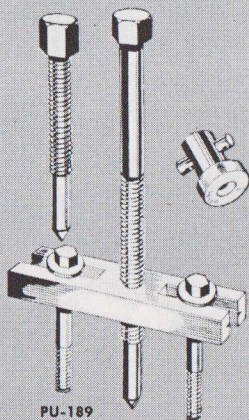
Consisting of sizes 1/16" to 1/4"  
x 64ths. Complete with Huot All-Steel Index. Weight 10 oz.

## Cornwell "All-Purpose" PULLERS



TGP-10

PU-187



PU-189

### TIMING GEAR PULLER

Here is a very handy tool for pulling timing gears, and all other gears that have tapped holes. The sliding jaws enables the tool to handle gears of all widths, and for extra service, the  $6\frac{1}{2}$ " side screws are machined to take care of the most used thread sizes, namely  $\frac{3}{8}$ "-16, and  $\frac{1}{2}$ "-18. By using standard sizes of cap screws, the mechanic has a combination tool for pulling fan pulleys, cam gears, timing gears, and other gears with tapped holes. Cadmium plated.

Tool No.	Length Body	Length Center Screw	Length Side Screws	Shipping Weight
TGP-10	$6\frac{1}{2}$ "	$6\frac{1}{2}$ "	$6\frac{1}{2}$ "	2 $\frac{3}{4}$ lbs.

#### Special Parts for the Above Puller

- TGP-10-A. Special Side Screws. Length  $6\frac{3}{4}$ "  
Thread size:  $\frac{3}{8}$ "-24 and  $\frac{1}{2}$ "-24
- TGP-10-B. Special Side Screws. Length  $7\frac{3}{4}$ "  
Thread size:  $\frac{1}{2}$ "-13 only
- TGP-10-C. Special Side Screws. Length  $9\frac{1}{2}$ "  
Thread size:  $\frac{3}{8}$ "-16 only
- TGP-11-D. Puller Body. Range 2" to 6"
- TGP-12-E. Center Screw. Length  $6\frac{1}{2}$ "
- TGP-13-F. Center Screw. Length 9"
- TGP-14-G. Center Screw. Length  $11\frac{1}{4}$ "

### STEERING WHEEL PULLER

For removing steering wheels on majority of cars where the wheel is held by two cap screws and lock nut, such as Ford, Mercury, Lincoln, Chevrolet, Oldsmobile, Dodge, Pontiac, Plymouth, etc. Three sets of hardened side screws:  $\frac{3}{8}$ "-18 ( $2\frac{3}{4}$ " long),  $\frac{1}{2}$ "-24 ( $2\frac{1}{2}$ " long), and  $\frac{3}{8}$ "-16 ( $2\frac{3}{4}$ " long). Cadmium plated.

Shipping Weight—2  $\frac{1}{4}$  lbs.

Tool No.	Description
PU-187	Complete Tool
PU-187-A.	Set of side screws— $\frac{3}{8}$ "-18
PU-187-B.	Set of side screws— $\frac{1}{2}$ "-24
PU-187-C.	Set of side screws— $\frac{3}{8}$ "-16

### HARMONIC BALANCING PULLER AND DRIVER

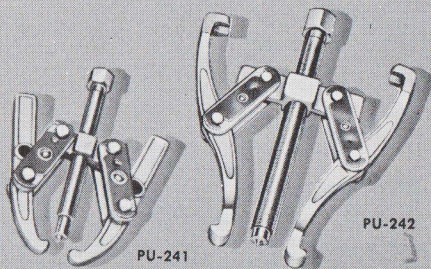
The long hardened center screw, (11"), enables the operator to pull the balancer without removing the motor from the chassis. The two heat-treated hex screws are threaded back far enough to insure a firm grip when the pulling operation begins. The 4" long body enables the tool to handle the majority of all Chevrolet cars and trucks. The smaller center screw is provided for 1950-53 model cars. Each kit is equipped with a driver to replace the Harmonic Balancer. Cadmium plated.

Shipping Weight—2  $\frac{3}{4}$  lbs.

Tool No.	Description
PU-189	Complete Tool

## Cornwell "Quick-Change" P U L L E R S

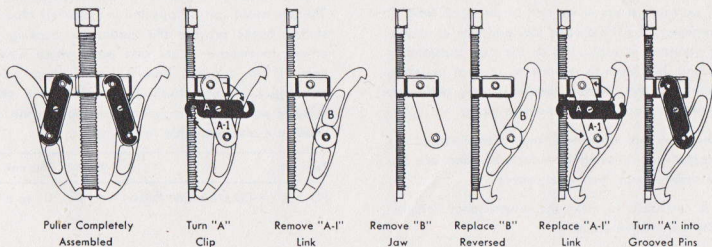
"These NEW Gear Pullers are the ultimate in design and durability. The 'Quick-Change'\* feature is the greatest time saving addition to pulling tools in years!"



### "Quick-Change" Features

- Two types are available: The reversible, shown on the left, and the straight jaw adjustable on the right.
- Fewer parts — pins are pressed into link — to reverse jaw, only three parts involved: (1) link with locking arm, (2) link with two grooved pins, (3) the jaw.
- Buttress type thread — affords  $\frac{1}{3}$  more strength.
- Forged from alloy, heat-treated steel. Cadmium plated.

*Follow the easy steps below, and you will see that with a quick "Flick of the finger," the jaws are adjusted or reversed in seconds.*

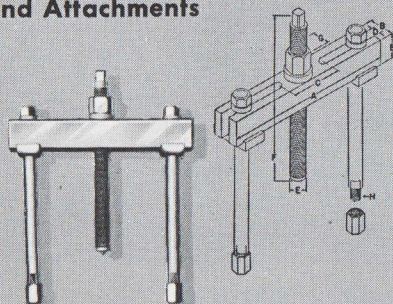


### Specifications

Tool Number	Maximum Reach	Maximum Spread	Lgth. & Dia. of Forcing Screw	Type	Shipping Weight
PU-240	0"—4"	3 $\frac{1}{4}$ "	$\frac{3}{8}$ " x 4 $\frac{1}{4}$ "	Straight Jaw Adjustable	1 lb.
PU-241	0"—6"	3 $\frac{3}{8}$ "	$\frac{5}{8}$ " x 6"	Reversible Jaw	2 lbs.
**PU-242	0"—8"	5 $\frac{1}{2}$ "	$\frac{3}{4}$ " x 8 $\frac{5}{16}$ "	Reversible Jaw	4 $\frac{1}{4}$ lbs.
PU-243	0"—10"	9"	$\frac{3}{4}$ " x 8 $\frac{5}{16}$ "	Straight Jaw Adjustable	5 lbs.

\*\*No. 242 has slotted hooks on one end for hooking onto cap screws to remove gears and parts which have tapped holes.

## PULLERS and Attachments



PU-927

### PUSH PULLER No. PU-927

The most versatile and universal tools of their kind, these Push-Pullers will actually do more difficult removing and installing jobs than any similar tool on the market. It is actually a portable press which can be used on field or shop maintenance jobs. It is a basic tool and with its attachments and adaptors is recognized as the most outstanding tool of its kind. It is used to remove or replace bearings, gears, pinions, pulleys, wheels, bushings, etc., and does these jobs without damage to expensive parts.

These Push-Pullers are approved and recommended by leading Tractor and Bearing manufacturers and are endorsed by maintenance men everywhere.

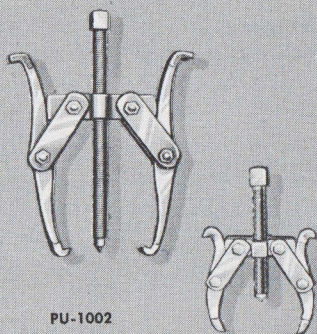
One size is available to meet the maintenance requirements of the automotive industry.

#### Specifications

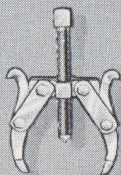
Tool No.	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	Standard Unit
PU-927	8 1/4"	1 3/8"	2"	1/2"	5/8"-18	12"	1"	3/8"-18	927 with 927-A legs

#### Available Leg Lengths

Tool No.	Length	Use with Tool No.	Use Connectors No.	Weight
PU-927A	6 3/4"	927	916	7 1/2 Lbs.
PU-927B	15 3/4"	927	916	10 1/4 Lbs.



PU-1002



PU-1001

### GRIP-O-MATIC PULLER No. PU-1002

An extremely popular puller in all types of maintenance work. The reversible jaws, one end having thin, the other having slotted hooks, make a wide range of work possible. The thin hooks can be applied in restricted places and the slotted hooks provide the means for hooking onto cap screws to remove gears and parts which have tapped holes. It has a range from 0" to 8" which adapts it to automotive, aircraft, truck, refrigeration and other maintenance work. Long, single-end jaws to provide additional reach are also available for this tool.

Tool No.	Reach	Spread	Weight
PU-1002—Grip-o-matic Puller.	5 1/2"	0" to 8"	4 Lbs.

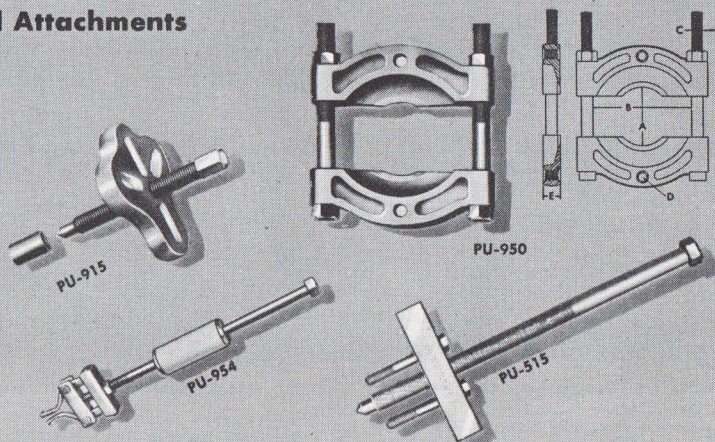
### GRIP-O-MATIC PULLER No. PU-1001

Especially practical for removing generator and magneto gears and bearings but equally good for small timing gears, pinions, bearings and other parts that are usually difficult to remove. This puller has reversible arms. See table above for specifications.

Long, single-end jaws are also available.

Tool No.	Reach	Spread	Weight
PU-1001—Grip-o-matic Puller.	3 1/4"	0" to 6"	1 3/4 Lbs.

## PULLERS and Attachments



### STEERING WHEEL PULLER

A new tool designed and built especially to pull steering wheels, flanges, pulleys, etc., which are tapped for cap screws. This tool is especially good for pulling steering wheels and will do this job on Chevrolet, Ford, Nash, Hudson, Oldsmobile, Buick, Pontiac and others. A nipple No. 915-3 is supplied with this tool to provide a base when used over a hollow shaft.

Tool No.	Weight
PU-915	1 lb.

### PILOT BEARING PULLER

A complete unit for removing flywheel pilot bearings on practically all makes and models of automobiles, trucks and tractors. Also for pulling motor, generator and magnet bearings.

Tool No.	Weight
PU-954	4 lbs.

### GEAR AND PULLEY PULLER

Designed especially for pulling Chevrolet Fan Pulleys, but is a very practical tool for pulling timing gears and other parts as well. The slotted block permits a wide range of adjustments. The screw is long enough to reach through the crank hole so the fan pulley can be pulled without removing the radiator.

Tool No.	Weight
PU-515	2 lbs.
PU-515A	1 1/2 lbs.

### BEARING PULLER ATTACHMENTS

These Bearing Pulling Attachments are available in 2 sizes ranging in capacity from a minimum of 0" to a maximum of 4 1/2" and in proportionate strength and ruggedness. There is an attachment for each corresponding size of Grip-o-matic Puller and Push-Puller.

Bearing Pulling Attachments increase the scope and range of pullers and no set of pullers is complete without two or three of these attachments. The knife-like edges of these tools can be forced behind a bearing or gear where space is too limited to apply the hooks of a puller. In this manner many parts can be removed without damage and at a substantial saving in time.

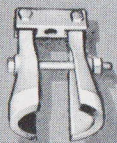
By exerting the pulling strain against the inner race instead of against the rollers or snap-rings, bearings can be removed quickly and easily without damage, using either a Grip-o-matic or Push-Puller as the power unit.

These attachments can also be utilized as arbor press bed plates and are very practical for this purpose.

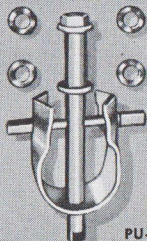
### Specifications

Tool No.	"A" Max.	"B" Min.	"C"	"D"	"E"	Wt. in Lbs.	Use with Grip-o-matic No.	Use with Push-Puller No.
PU-950	2 1/4"	0"	2 1/4"	3/4"	3/4"	16 3/4"	1001-1002	515
PU-951	4 1/4"	0"	4 1/4"	3/4"	3/4"	18 1/4"	1002-1003	927-930
PU-952	5 3/4"	1"	6"	3/4"	3/4"	18 1/4"	1003-1003 1/2	930-938

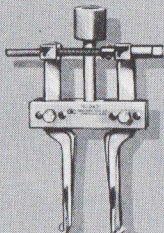
## PULLERS and Attachments



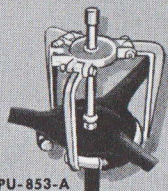
PU-944-A



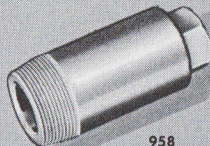
PU-1202



PU-943



PU-853-A



958

### PINION OIL SEAL PULLING ATTACHMENT

An attachment designed for use with the 960 Slide Hammer Puller specially for pulling Pinion Shaft Oil Seals on Chrysler, Cadillac, Pontiac, Packard, Willys, Ford or any other automobile using a Hotchkiss Drive. This attachment is hollow and fits over the shaft so that the buttress threads can be threaded into the Oil Seal. Used also with the No. 515-S Forcing Screw.

Tool No.	Weight
958—Pinion Oil Seal Pulling Attachment	2 3/4 lbs.

### TRUCK REAR AXLE BEARING NUT WRENCH

Another special design that makes a tough job easy adjustable and lets wheel do the work.

Now for the first time adjustable wrenches to remove bearing lock nuts and adjust rear wheel bearings on full floating truck axles. Axle nut is tightened or loosened by turning truck wheel.

Sturdily built for long, tough service, each wrench adjusts to several sizes. Four wrenches fit hex sizes from 2" to 4 1/2" and three wrenches fit octagon sizes from 3" to 5".

Tool No.	Adjustable from	Tool No.	Adjustable from
PU-1202	2" to 2 3/4" Hex	PU-1207	3 3/8" to 4 1/2" Oct.
PU-1204	2 1/2" to 2 3/4" Hex	PU-1208	3 3/8" to 4 1/4" Hex
	PU-1209	4 3/8" to 5" Oct.	

### STEERING WHEEL PULLER

A universal tool that will pull steering wheels on many makes and models of automobiles, trucks and tractors. Legs are adjustable to pull steering wheels regardless of number of spokes and can also be used as a two-jaw puller. The steel ring against which the pull is made is equipped with rubber cushions to prevent marring the finish.

Tool No.	
PU-853-A—Steering Wheel Puller complete with two Pulling Rings 853-5, 853-6 and 853-B adaptor, weight 3 1/2 lbs.	

### PINION SHAFT PULLER ATTACHMENT

This attachment is used with the No. 927 Push-Puller for removing the stub shaft drive pinions from the rear axle pinion shaft housing on Chevrolet and Buick cars where the shaft comes out through the back of the housing. Thousands of these attachments are in daily use all over the country. It solves one of the most difficult service operations encountered in Chevrolet and Buick service. This attachment is not a complete tool and must be used with the No. 927 Push-Puller.

Tool No.	Weight
PU-944—Pinion Shaft Pulling Attachment.	9 1/2 lbs.

### BEARING CUP PULLING ATTACHMENTS

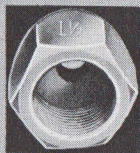
The removal of bearing cups (outer races) from blind holes presents a very serious maintenance problem where adequate tools are not available. With these tools outer bearing races can be removed and in some instances, replaced quickly and easily and without damage either to the race or to the housing. The Bearing Cup Pulling Attachments obtain a positive grip and will not slip off when pressure is applied. They eliminate the need for a cutting torch or the ruinous "chisel" method.

A Push-Puller is available to furnish the power.

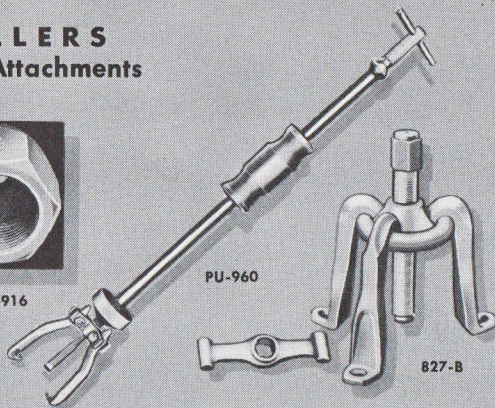
### Specifications

Tool No.	"A" Max.	"B" Min.	"C" Tapped Hole	Use with Tool No.	Weight
PU-943	6"	1 1/2"	4"	3/8"-18	927-930-938 4 1/2 lbs.

## PULLERS and Attachments



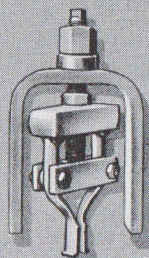
PU-916



PU-960



827-B



MD-955

### SLIDE HAMMER PULLER Two and Three Way Inside and Outside Combination

A universal tool that is quickly and easily adapted to both outside and inside pulling operations and which can be used either as a two-way or a three-way puller. It is used effectively for pulling gears, bearings, pinions, grease retainers, bearing outer races, oil seals, etc. Capacity with 2 arms: outside max.  $4\frac{1}{2}$ ", min. 1", inside max.  $3\frac{3}{4}$ ", min.  $1\frac{1}{4}$ ". With 3 arms: outside max.  $4\frac{1}{2}$ ", min.  $1\frac{1}{2}$ "; inside max.  $4\frac{3}{4}$ ", min.  $1\frac{3}{8}$ ".

Tool No.	Weight
PU-960—Slide Hammer Puller complete.	8 Lbs.

### STEP PLATE ADAPTORS

For use with GRIP-O-MATIC and PUSH-PULLERS. When pulling parts from hollow shafts or housing, these Step Plates are placed over the end of the hollow shaft to provide a base against which the puller screw can operate.

Tool No.	"A"	"B"	Tool No.	"A"	"B"
PU-630-1	1"	$\frac{3}{4}$ "	PU-630-10	$2\frac{3}{8}$ "	$1\frac{7}{8}$ "
PU-630-2	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	PU-630-11	$2\frac{1}{2}$ "	2"
PU-630-3	$1\frac{1}{4}$ "	1"	PU-630-12	$2\frac{3}{8}$ "	$2\frac{1}{4}$ "
PU-630-4	$1\frac{3}{8}$ "	$1\frac{1}{8}$ "	PU-630-13	$2\frac{3}{4}$ "	$2\frac{1}{4}$ "
PU-630-5	$1\frac{1}{2}$ "	$1\frac{1}{4}$ "	PU-630-14	$2\frac{7}{8}$ "	$2\frac{3}{8}$ "
PU-630-6	$1\frac{3}{4}$ "	$1\frac{3}{8}$ "	PU-630-15	3"	$2\frac{1}{2}$ "
PU-630-7	$1\frac{7}{8}$ "	$1\frac{1}{2}$ "	PU-630-16	$3\frac{1}{4}$ "	$2\frac{3}{4}$ "
PU-630-8	2"	$1\frac{5}{8}$ "	PU-630-17	$3\frac{1}{2}$ "	3"
PU-630-9	$2\frac{1}{8}$ "	$1\frac{3}{4}$ "			

PU-630R—Set includes 630-5 to 630-16 incl.

PU-630S—Set 11 Step Plates include 630-1 to 630-11 incl. Weight 5 pounds.

### THREADED ADAPTORS

A complete range of female adaptors for use with Push-Pullers. Utilized as connectors for joining two pair of Push-Pullers Legs or as adaptors for use in pulling axles, pinion shafts, cam shafts, etc. The line drawing at the right illustrates their uses.

Tool No.	Size	Tool No.	Size
PU-916	$\frac{1}{2}$ -20 x $\frac{3}{8}$ -18	PU-932	$\frac{3}{8}$ -18 x 1-14
PU-920	$\frac{5}{8}$ -18 x $\frac{5}{8}$ -18	PU-936	$\frac{5}{8}$ -18 x $1\frac{1}{8}$ -12
PU-924	$\frac{5}{8}$ -18 x $\frac{3}{4}$ -16	PU-940	$\frac{5}{8}$ -18 x $1\frac{1}{4}$ -12
PU-928	$\frac{5}{8}$ -18 x $\frac{7}{8}$ -14		

### UNIVERSAL HUB PULLERS

With sliding arms readily adjustable this tool will pull rear wheel hubs on automobiles and light trucks. Maximum reach is a  $7\frac{1}{2}$ " bolt circle. It provides a straight pull and will not distort wheel lugs. Five legs should be used when removing Cadillac or Jeep hubs because of excessive pressure required on these two jobs.

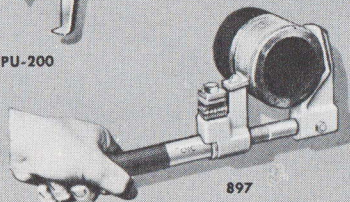
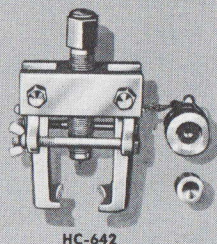
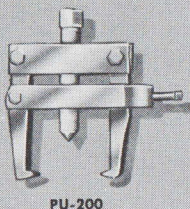
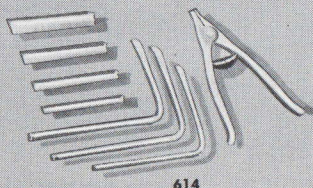
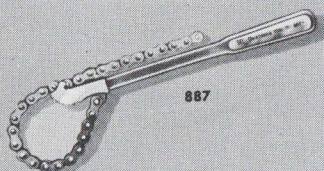
Tool No.	Weight
827-B—Universal Hub Puller complete with Striking Wrench	10 Lbs.
827-A—Striking Wrench (Only)	2 Lbs.

### PILOT BEARING PULLER

Built especially to pull flywheel pilot bearings on trucks and tractors in close quarters where obstructions do not permit the use of a Slide Hammer. This tool will operate on many models with the engine in the chassis.

Tool No.	Weight
MD-955—Pilot Bearing Puller, with 955-13 Jaws, capacity $\frac{1}{2}$ " to $1\frac{1}{2}$ "	3 Lbs.
MD-956—Pilot Bearing Puller, with 956A-13 Jaws, capacity $\frac{7}{8}$ " to 2"	3 Lbs.

## PULLERS and Attachments



### SNAP RING SERVICE SET

This set is designed and built especially to remove the contracting snap ring found on shafts and the expanding snap rings found in bores or housings. The expanding type snap ring found in bores is especially difficult to remove when it is located three or four inches from the end of the bore. These Snap Ring tools simplify this job a great deal and will prove to be time and labor savers in every shop servicing trucks and tractors.

Tool No.	Description
PU-614	Snap Ring Pliers (only).
PU-620-A	Lifting Cam $\frac{1}{4}$ "
PU-620-B	Lifting Cam $\frac{3}{32}$ "
PU-620-C	Lifting Cam $\frac{3}{16}$ "
PU-620-F	Wedge $\frac{3}{16}$ "
PU-620-G	Wedge $\frac{3}{8}$ "
PU-620-H	Wedge $\frac{1}{2}$ "
PU-620-K	Wedge $\frac{3}{4}$ "
PU-620	Snap Ring Set in box. Weight 2 $\frac{3}{4}$ pounds
PU-620-P	Snap Ring Set less Pliers.
PU-620-S	Snap Ring Box (only).

### UNIVERSAL CHAIN WRENCH

The ability to grip round, hexagonal or square material without slipping makes these tools the most popular in the maintenance industry. Equally good for steamfitters, plumbers, well drillers, etc. Two sizes are available with capacities from  $\frac{3}{8}$ " to 6" with handles of corresponding size.

Tool No.	Description	Weight
887	Chain Wrench, $\frac{3}{8}$ " to 4 $\frac{1}{2}$ "	1 $\frac{3}{4}$ Lbs.
887-A	Chain (only) for 887, 16" long.	
888	Chain Wrench, 3" to 6"	4 $\frac{1}{2}$ Lbs.
888-A	Chain (only) for 888, 22" long.	

### UNIVERSAL OUTSIDE THREAD CHASER

A fast, sure way to restore damaged threads on shafts, housings, cages, etc. Interchangeable dies cover a large range of popular thread sizes. Tighten the tool slightly on the good threads then back off over damaged threads slowly. Do not attempt to restore badly damaged threads in one operation. The V-pad will not damage threads. Dies and V-pad are not guaranteed. Capacity: 1  $\frac{1}{4}$ " to 5" OD.

Tool No.	Description
897	Thread Chaser complete with 6 Dies, wt. 4 $\frac{1}{2}$ lbs.
896-A	Chaser die, 8, 10, 12, 14 threads per inch.
896-B	Chaser die, 16, 18, 20, 24 threads per inch.
896-C	Chaser die, 11, 11 $\frac{1}{2}$ threads per inch.
896-E	Chaser die, 4, 5 threads per inch.
896-F	Chaser die, 6, 7 threads per inch.
896-G	Chaser die, 7 $\frac{1}{2}$ , 9 threads per inch.

### TRUCK PITMAN ARM AND FORD HUB PULLER

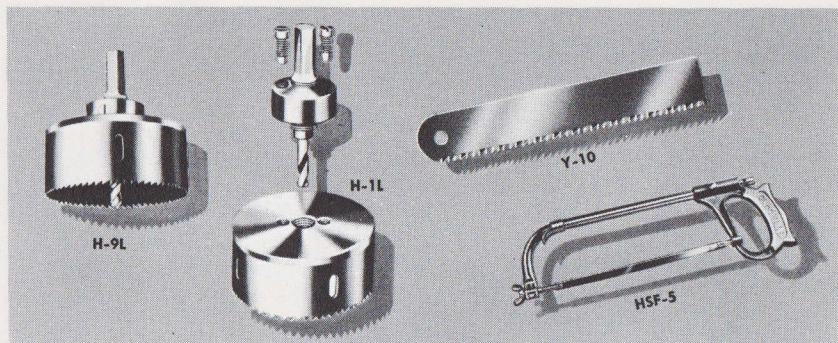
A well built, rugged, dual purpose tool that makes a simple job out of pulling truck Pitman arms and does this job on practically all makes and models of trucks. Can also be utilized effectively as a Ford Hub Puller. Two Shaft Protectors are supplied with the tool and should be used in every operation.

Tool No.	Weight
HC-642—Pitman Arm and Hub Puller.	4 $\frac{3}{4}$ Lbs.

### PITMAN ARM PULLER

A heavy duty universal Pitman arm puller with jaw capacity to 3  $\frac{1}{4}$ ". May be adapted to many other pulling operations. Tightening one screw locks the jaws firmly upon the work.

Tool No.	Weight
PU-200—Pitman Arm Puller	2 $\frac{1}{4}$ Lbs.



### HOLE SAWS

#### All Sizes—6 Teeth Per Inch

High speed steel cutting edge welded to tough alloy steel back. Absorbs shock and prevents shattering due to overloads or twists. Long side grooves permit removal of cuttings. Will cut clean, round holes in any machineable material. Steel, brass, bronze, cast iron, aluminum, wood and plastics, up to  $1\frac{1}{8}$ " in depth. Will cut holes from  $\frac{9}{16}$ " to  $4\frac{1}{2}$ " in diameter. Will outlast several standard type Hole Saws.

Tool No.	Diameter Saw	Use Arbor No.	Tool No.	Diameter Saw	Use Arbor No.
H-9L	$\frac{9}{16}$ "	1	H-33L	$2\frac{1}{16}$ "	2 or 3
H-10L	$\frac{5}{8}$ "	1	H-34L	$2\frac{1}{8}$ "	2 or 3
H-11L	$1\frac{1}{16}$ "	1	H-36L	$2\frac{1}{4}$ "	2 or 3
H-12L	$\frac{3}{4}$ "	1	H-37L	$2\frac{3}{8}$ "	2 or 3
H-13L	$1\frac{1}{8}$ "	1	H-38L	$2\frac{3}{4}$ "	2 or 3
H-14L	$\frac{7}{8}$ "	1	H-40L	$2\frac{1}{2}$ "	2 or 3
H-15L	$1\frac{1}{8}$ "	1	H-41L	$2\frac{5}{8}$ "	2 or 3
H-16L	1"	1	H-42L	$2\frac{3}{4}$ "	2 or 3
H-17L	$1\frac{1}{16}$ "	1	H-44L	$2\frac{3}{4}$ "	2 or 3
H-18L	$1\frac{1}{8}$ "	1	H-46L	$2\frac{7}{8}$ "	2 or 3
H-19L	$1\frac{3}{8}$ "	1	H-48L	3"	2 or 3
H-20L	$1\frac{1}{4}$ "	2 or 3	H-50L	$3\frac{1}{8}$ "	2 or 3
H-21L	$1\frac{3}{16}$ "	2 or 3	H-52L	$3\frac{1}{4}$ "	2 or 3
H-22L	$1\frac{3}{8}$ "	2 or 3	H-54L	$3\frac{3}{8}$ "	2 or 3
H-23L	$1\frac{7}{8}$ "	2 or 3	H-56L	$3\frac{1}{2}$ "	2 or 3
H-24L	$1\frac{1}{2}$ "	2 or 3	H-58L	$3\frac{5}{8}$ "	2 or 3
H-25L	$1\frac{5}{8}$ "	2 or 3	H-60L	$3\frac{3}{4}$ "	2 or 3
H-26L	$1\frac{3}{4}$ "	2 or 3	H-62L	$3\frac{7}{8}$ "	2 or 3
H-27L	$1\frac{11}{16}$ "	2 or 3	H-64L	4"	2 or 3
H-28L	$1\frac{3}{4}$ "	2 or 3	H-66L	$4\frac{1}{8}$ "	2 or 3
H-29L	$1\frac{13}{16}$ "	2 or 3	H-68L	$4\frac{1}{4}$ "	2 or 3
H-30L	$1\frac{7}{8}$ "	2 or 3	H-70L	$4\frac{3}{8}$ "	2 or 3
H-32L	2"	2 or 3	H-72L	$4\frac{1}{2}$ "	2 or 3

Hole Saws furnished without Arbors unless specified.

### ARBORS WITH HIGH SPEED PILOT DRILLS

Arbors have  $\frac{1}{4}$ " high speed pilot drill, solid hex shank will fit any  $\frac{1}{2}$ " or larger two or three jawed chuck.

The No. 2 and 3 Arbors for saws  $1\frac{1}{4}$ " in diameter, or larger, drive the saw by means of two screws fitting corresponding holes in the saw body which gives a positive drive and allows a certain degree of float to take care of any misalignment.

The No. 4L Arbor has  $\frac{1}{4}$ " Round Shank for Saws  $\frac{9}{16}$ " to  $1\frac{3}{16}$ ".

Tool No.	For Chuck Size	Fits Hole Saws (Inches)
H-1L	$\frac{1}{2}$	$\frac{9}{16}$ " to $1\frac{3}{16}$ "
H-2L	$\frac{1}{2}$	$1\frac{1}{4}$ " to $4\frac{1}{2}$ "
H-3L	$\frac{3}{4}$	$1\frac{1}{4}$ " to $4\frac{1}{2}$ "

H-4L Arbor  $\frac{1}{4}$ " Round Shank for Saws  $\frac{9}{16}$ " to  $1\frac{3}{16}$ "

### HACK SAWS

Chrome plated highly polished  $\frac{3}{16}$ " steel tube Unbreakable die cast comfortable grip handle. Adjustable for 10 inch and 12 inch blades. Grease proof, chip resistant baked enamel finish on handle. Blade can be set to vertical or horizontal positions.

Tool No.	Weight
HSF-5	1 Lb.

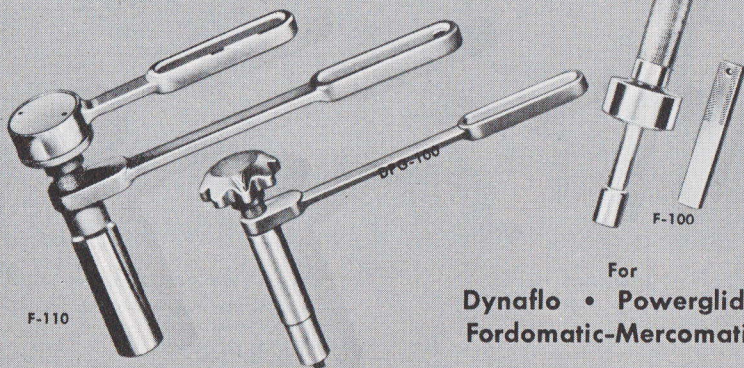
### HACK SAW BLADES

Tool No.	Length	Point
Y10	10"	24 Point
Y12	12"	24 Point

### SILVER STEEL BLADES

Tool No.	Length	Point
Y10S	10"	24 Point
Y12S	12"	24 Point

## Cornwell Automatic Transmission TOOLS



For  
**Dynaflow • Powerglide  
Fordomatic-Mercomatic**

### FORDOMATIC-MERCOMATIC REAR BAND ADJUSTMENT TOOL

This useful Tool assures fast, accurate adjustment of transmission rear bands. Slotted Wrench with two flat sides provides sure grip, avoids damage to adjusting screw. Precision-broached 12-point Socket for accurate fit on lock nut. Sturdy, drop forged lever-type Wrench Handles with

palm-fitting grips. Friction disk Torque Wrench pre-set for proper torque on adjusting screw.

Tool No.	Dimensions	No. in Pkg.	Shipping Wt.
F-110	12"	1	3 1/4 lbs.

### FORDOMATIC-MERCOMATIC FRONT BAND ADJUSTMENT TOOL

This precision Tool is made for long service life, compactly designed for ease and convenience of use. Accurate, friction disk Torque Screw Driver is pre-set for proper torque, automatically prevents over-tightening of adjusting screws. Gentle clutch release prevents sudden breakaway and

skinned knuckles. Non-slip, knurled hand-grip. Tool complete with machined 1/4" block-type gauge.

Tool No.	Dimensions	No. in Pkg.	Shipping Wt.
F-100	6"	1	. 1 lb.

### DYNAFLOW AND POWERGLIDE BAND ADJUSTING TOOL

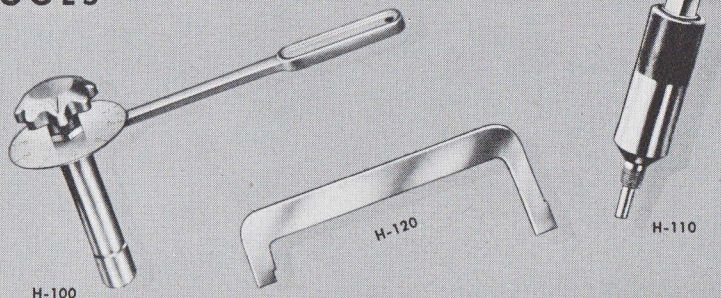
For Dynaflow band adjustments on all 1948-1953 Buicks, and Powerglide band adjustments on all 1950-1953 Chevrolets: this practical Adjusting Tool makes accurate adjustment easy.

Rugged construction assures years of trouble-free service. Sturdy, forged handle with comfortable grip. Outer 12-point Socket for gripping adjusting-screw lock nut. Finger-

grip Adjustment Knob with pointer, and inner Blade for setting adjusting screw.

Tool No.	Length	No. in Carton	Shipping Wt.
DPG-100	11 3/4"	1	2 lbs.

## Cornwell Hydra-matic Transmission TOOLS



**Oldsmobile • Cadillac • Pontiac • Lincoln  
Nash • Hudson • Kaiser • Frazer**

### HYDRA-MATIC BAND ADJUSTING TOOL (External)

Especially designed for external adjustment of front and rear bands on Hydra-matic transmissions, this useful Tool does not require removal of transmission oil pan and may be used with or without tachometer.

Rugged construction assures years of trouble-free service. Sturdy, forged handle with comfortable, hand-hugging grip. Finger-grip Adjustment Knob with pointer, and heavy-gauge metal Indicator Dial numbered to show tenths of a turn. Wrench End consists of two Sockets . . . Inner Socket with two flat sides to provide sure grip on band-adjusting screw — Outer 12-point Socket for adjusting-screw lock nut.

Tool No.	Length	No. in Carton	Shipping Wt.
H-100	12 1/4"	1	2 lb. 4 oz.

### HYDRA-MATIC FRONT BAND ADJUSTING TOOL

This accurate Tool is designed for internal adjustment (transmission oil pan removed) of front bands on Hydra-matic transmissions. Essential for transmission overhauls, the Tool may be used while Hydra-matic unit is in the car or on the bench. Combines ruggedness and precision. Sliding gib assures accurate adjustment.

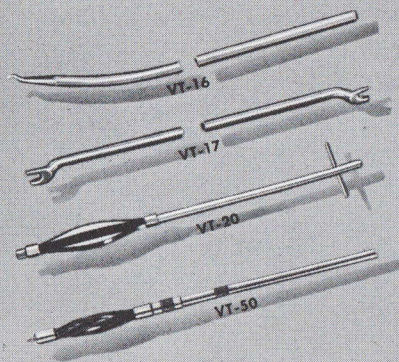
Tool No.	Length	No. in Pkg.	Shipping Wt.
H-110	4 3/4"	1	10 oz.

### HYDRA-MATIC REAR BAND ADJUSTING GAUGE

For internal adjustment of rear bands (oil pan removed), this snap-type Gauge assures accurate adjustment meeting manufacturers' specifications.

Tool No.	Dimensions	No. in Pkg.	Shipping Wt.
H-120	5 3/4" x 2 1/4"	1	4 oz.

## Cornwell PISTON & VALVE TOOLS



### FORD VALVE GUIDE LOCK REMOVER Not Replaceable

This Guide Lock Removing tool is an innovation when it comes to removing those "burned in" valve guide locks. Just insert the end in guide lock and pull over edge of block and "out they come."

Tool No.	Length	Weight
VT-16	18"	14 oz.

### FORD "V-8" VALVE LIFTER

The Valve Lifter illustrated above will handle all models "V-8" Fords.

Tool No.	Length	Weight
VT-17	22"	14 oz.

### CORNWELL UNIVERSAL VALVE GUIDE CLEANER

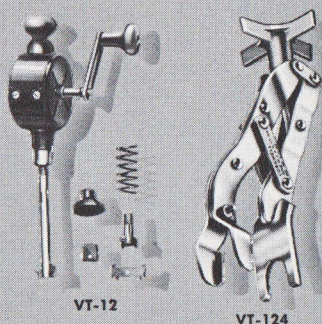
The Cornwell Valve Guide Cleaner has five adjustable blades. Can be expanded large enough to take "V-8" valve guides by means of a small screw on bottom of stem. Can be used in electric drill by removing cross handle.

Tool No.	Length	Weight
VT-20	10"	5 oz.

### COILED WIRE REAMER TYPE VALVE GUIDE CLEANING TOOL

Adjustable  $\frac{3}{16}$ " to  $\frac{3}{8}$ ". Always maintains contact with surface to be cleaned.

Tool No.	Length	Weight
VT-50	7 $\frac{1}{4}$ "	6 oz.



### CORNWELL VALVE GRINDER

This Valve Grinder is the smoothest operating valve grinder ever made. Inside mechanism hardened to prevent wear. It is of the triple oscillating type—makes  $\frac{3}{4}$  turn reverses, makes  $\frac{1}{2}$  turn reverses, makes  $\frac{1}{4}$  turn, then a full revolution. Has necessary equipment to handle all kinds of valves. Long stem 8  $\frac{1}{2}$ " overall.

Tool No.		Weight
VT-12	(As illustrated) Set consists of	1 $\frac{1}{4}$ lbs.
VT-11	Vacuum Cup	
VT-12	Spring	
VT-13	Narrow Two-Prong Adaptor	
VT-14	Wide Four-Prong Adaptor	
VT-15	Screw Driver Type Adaptor	
	"Extra Parts"	
VT-409	Vacuum Cup for Briggs Stratton	

### LITTLE SHORTY VALVE LIFTER

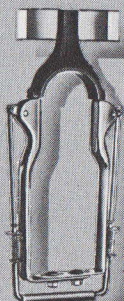
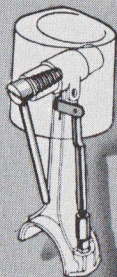
The Little Shorty Valve Lifter has a vertical lift of 2  $\frac{1}{2}$ ". Jaws are practically parallel when extended and spring cage passes inside the jaw cup. This gives the required compression to easily replace or remove keys. Truly a little giant in itself.

Tool No.		Length	Weight
VT-124	New Style Little Shorty	8 $\frac{1}{2}$ "	1 lb.
VT-24	Old Style Little Shorty	8 $\frac{1}{2}$ "	1 lb.

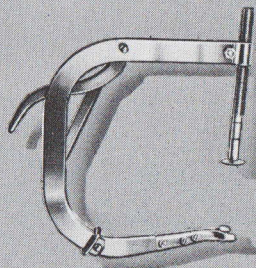
## Piston & Valve TOOLS



PT-101



CF-65



VT-111



VT-110



VT-111S



VT-126



VT-123

### PISTON PIN EXTRACTION TOOL SET

A set of tools designed to accomplish the replacement of Chevrolet connecting rods, 1940 to present models; Buick connecting rods, 1937 to present Models and the connecting rods in many Willys and Studebaker motors. WITHOUT REMOVING CYLINDER HEADS.

The Rod is removed through the crank case, saving wrist pin extraction and replacement time. Motor reassembly, ring breakage and tappet adjustment time are at a minimum.

#### SET CONSISTS OF

One expanding type wrist pin wrench, one straight jack to expand Chevrolet rod clamp, and one offset angle jack to expand slotted clamp Buick, Willys, and Studebaker connecting rods.

WRIST PIN WRENCH IS A GAUGE for centering Chevrolet wrist pin in the piston before tightening the clamp bolt, thus eliminating possibility of cylinder scoring.

The WRIST PIN WRENCH provides the means for proper positioning of the slot in the pin so as to allow easy insertion of the clamp bolt in the Buick rod.

Tool No.		Weight
PT-101	Complete set for Buick and Chevrolet	12 oz.
PT-101-1	Wrist Pin Wrench only	
PT-101-2	Buick Jack only	
PT-101-3	Chevrolet Jack only	

### CONNECTING ROD INSTALLATION TOOL

A handy handle that clips to all  $\frac{3}{4}$ " connecting rod bolts to pull the piston and rod assembly to correct seat on the crankshaft. Adjustable to all auto crank shaft sizes.

Tool No.	Weight
CF-65	1 $\frac{1}{4}$ lbs.

### VALVE LIFTER

This "C" type Valve Lifter is so constructed that the handle is out of the way of the hood tie-rod. The floating ring will hold the lifter in any compressed position. The threaded valve stem can be adjusted for any valve lengths. Straight and "off step" jaws are of slender design for use where space is limited. It has a depressed foot with centering point to hold it securely on a valve head. The inside frame measurements are  $11\frac{1}{2}$ " deep with straight jaws  $10\frac{1}{2}$ " deep with offset jaws  $8\frac{1}{4}$ " space for manifold clamps.

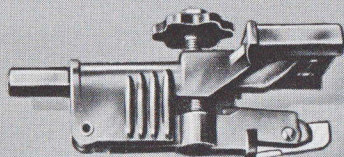
Tool No.	Weight
VT-111	With straight and Offset Jaws 4 $\frac{1}{2}$ lbs.
VT-116	Hy Duty with Straight and Offset Jaws 4 $\frac{1}{2}$ lbs.
VT-111S	Straight Jaws
VT-111O	Offset Jaws
VT-123	Extra Heavy Jaws for No. 116 Lifter

### ADAPTOR FOR CADILLAC VALVE SPRING COMPRESSOR

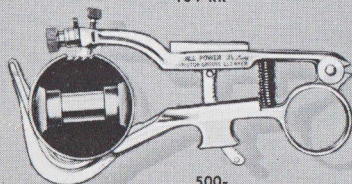
Adaptor used with most "C" type Valve Spring Compressors equipped with straight jaws. For motors with Hydraulic Type Valve Tappet Lifters.

Tool No.	Weight
VT-126	Adaptor 2 oz.

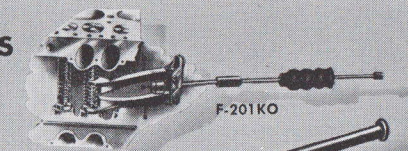
## Cornwell PISTON & VALVE TOOLS



104-RR



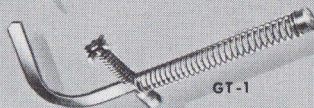
500-



F-201KO



F-203KE



GT-1



VT-21

### ALL-POWER RIDGE REAMER

New and revolutionary principle in Ridge Reamers, featuring a Carboly Tipped Cutter Blade. The operation is simple and quickly executed. No special wrenches required. To operate use  $\frac{1}{16}$ " socket and ratchet wrench—an outside adjusting screw regulates the cutter blade.

Tool No.		Weight
104-RR	Ridge Reamer	1 lb. 10 oz.
104-RRB	Cutter Blade	1 lb.

### ALL-POWER DELUXE PISTON GROOVE CLEANER

Attractive in design, strongly built. Services Pistons size of  $2\frac{1}{2}$ " to 5". The locking principle is quickly executed and positive—no back slipping. The quick-setting, self aligning large cutter blade is a major feature in permitting quick operating of the tool.

Tool No.	Weight
500	Deluxe Piston Groove Cleaner 1 lb. 2 oz.

### ALL-POWER FORD VALVE GUIDE EXTRACTOR (Horseshoe Keeper)

A time-saving tool. Removes the toughest valve guide keeper—an outstanding improvement over the old method of removing Horseshoe Keepers from Lincoln Zephyr and Ford motors. Prevents the tearing out of the hole in Keeper. All sixteen Horseshoe Keepers can be removed in five minutes.

Tool No.	Weight
F-203KE	Ford Valve Guide Extractor 1 lb. 14 oz.

### ALL-POWER FORD VALVE ASSEMBLER NOCK-OUT

This tool removes the assembly in a few seconds without damage to valve, spring or bushing. Adaptable to Ford Six V-8 and Mercury Lincoln Zephyr. This tool is constructed in both design and quality of material to last the average mechanic a lifetime.

The sudden shock of the slide hammer cracks or jars the valve guide bushings loose by use of the slide hammer principle. The valve is raised above the valve seat to whereby it can be easily lifted out of the motor block by hand.

Tool No.	Weight
F-201KO	Ford Valve Assembler Nock-out 4 lb. 12 oz.

### RING GROOVE TOOLS

This self adjusting Ring Groove Cleaner will not gouge or jump out of the groove. It is a hand turned tool that holds to constant pressure in cutting position. Cutter blades are made of high grade tool steel and are tempered and hardened. Should not be thrown around without cutting edges protected by FRICTION TAPE.

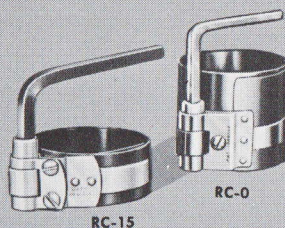
Tool No.	Piston Size	Weight
GT-1	$2\frac{1}{2}$ " to $4\frac{1}{2}$ " Passenger Cars	8 oz.
GT-2	$4\frac{1}{2}$ " to 6" Trucks	8 oz.

### CLARK-FEATHER VALVE KEY REPLACER

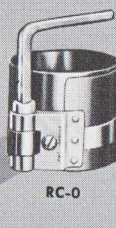
This Valve Key Replacer is a companion tool to the Little Shorty Valve Lifter. It has strong, durable, but tiny fingers that take a firm grip on the valve-lock keys and places them in their correct position. Then the Little Shorty releases the spring pressure gradually locking the keys in place.

Tool No.	Weight
VT-21	Valve Key Replacer 7 oz.

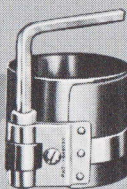
## Cornwell RING COMPRESSORS



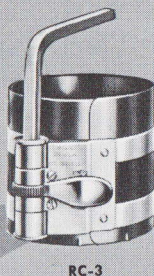
RC-15



RC-0



RC-1



RC-3



RC-150T

**CAR • TRUCK • TRACTOR • DIESEL**

### ECONOMY RING COMPRESSOR

This is a low priced but quality tool ideal for the small garage or individual repair job.

Has 2 1/2" high Blue Steel Compression band.

Single tension band.

Adjustable Friction brake.

Same 1/4" square handle as other models.

Can be used on majority of passenger cars.

Tool No.	Capacity	Weight
RC-1	2 1/8" to 5"	4 oz.

### MASTER RING COMPRESSOR

Has self-locking heavy duty ratchet pawl of oil tempered spring steel.

Winding spool is broached with 1/4" square and 1/2" deep socket.

Main band is made of heavy gauge clock spring steel, and has two extra heavy "wind-up" bands with double friction brake adjustment in addition to ratchet.

Has 3 1/2" High Compression Band. Takes all rings at once including Skirt ring on Pontiac, Ford, Hudson, etc.

Two tension bands eliminate flare out at bottom when rings leave compressor.

Beaded edge. Compressor can't enter cylinder with piston. Larger sizes up to 12 inches in diameter available.

Tool No.	Capacity	Weight
RC-3	2 1/8" to 5"	6 oz.

### CHEVROLET PISTON RING COMPRESSOR

This new compressor covers all rings at one time on 1956 Chevrolet V-8 engines. 1" high compression band. Will not form egg shape or oval around piston skirt. Beads around bottom keep compressor from entering cylinder. Universal—can be used on many other new V-8 engines with cut-away piston skirts and closely grounded rings.

Tool No.	Capacity	Weight
RC-15	2 1/2" to 5"	3 oz.

### MIDGET RING COMPRESSOR

Made specially for foreign cars, small Briggs & Stratton gas engines as used for power mowers, Diesel starters, Refrigerators, Scooter Bikes, etc. Adjustable Friction Brake. 2 inch High Blue Steel Compression band. Single Tension Band.

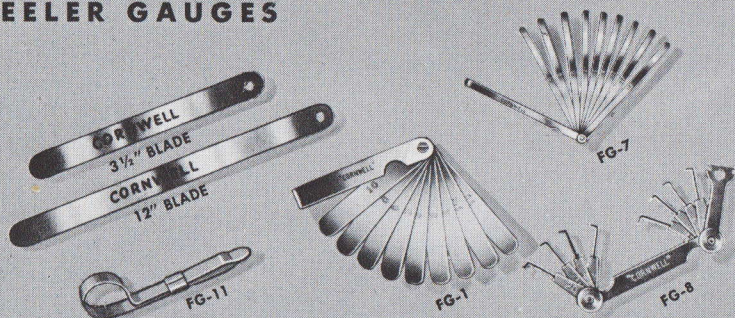
Tool No.	Capacity	Weight
RC-0	1 1/2" to 3"	3 oz.

### GIANT RING COMPRESSOR

Here's the giant compressor with 6 1/2 inch height and four tension bands. Takes up to 7 inch diameter diesel, truck and tractor motors. Handles jobs where the gap from top ring to skirt ring is more than three inches. You will find the extreme height and added bands handle these larger jobs to perfection. This compressor is well worth the higher initial cost. All bands are of highest grade Clock Spring steel. Lower edge is beaded.

Tool No.	Capacity	Weight
RC-150-T	3 1/2" to 7"	1 lb.

## FEELER GAUGES



### FEELER GAUGE STOCK AND GAUGES

Our feeler gauge flat stock and single blades are made from imported Swedish tempered steel, the same stock from which all guaranteed clock springs are made. Rolled to tolerance of one ten thousandth. These sets are made up in arrangements for most any requirement. Blades easily removed as they are held in the handle with a screw.

#### GAUGE STOCK - ALL SINGLE BLADES 1/2" WIDE

Size & Length		Size & Length		Size & Length		Size & Length	
3 1/2"	12"	3 1/2"	12"	3 1/2"	12"	3 1/2"	12"
.0015	.0015	.011	.011	.021	.021	.031	....
.002	.002	.012	.012	.022	.022	.032	....
.003	.003	.013	.013	.023	.023	.033	.033
.004	.004	.014	.014	.024	.024	....	.034
.005	.005	.015	.015	.025	.025	.035	.035
.006	.006	.016	.016	.026	.026	.040	....
.007	.007	.017	.017	.027	.027	....	.045
.008	.008	.018	.018	.028	.028	.050	.050
.009	.009	.019	.019	.029	....	....	....
.010	.010	.020	.020	.030	....	....	....

NOTE: When ordering specify size and length. Example: .0015-12 for 12" length, or .0015-3 1/2 for 3 1/2" length.

#### FEELER STOCK HOLDERS

The above are excellent for the purpose designed. A small supply of any size stock can be kept in the single end, being pulled out as needed.

Tool No.	Length
FG-11	Single End 5 1/2"

#### 9 BLADE GAUGE

Tool No.	Length
FG-1	9 Blade, 3 1/2"
Contains 1 each .002, .003, .004, .005, .006, .008, .010, .013, .015.	

#### BRAKE GAUGE

Contains one each .066, .008, .010, .012, .015, .018, .020, .022 and .025 4" long x 3/16" wide blade.

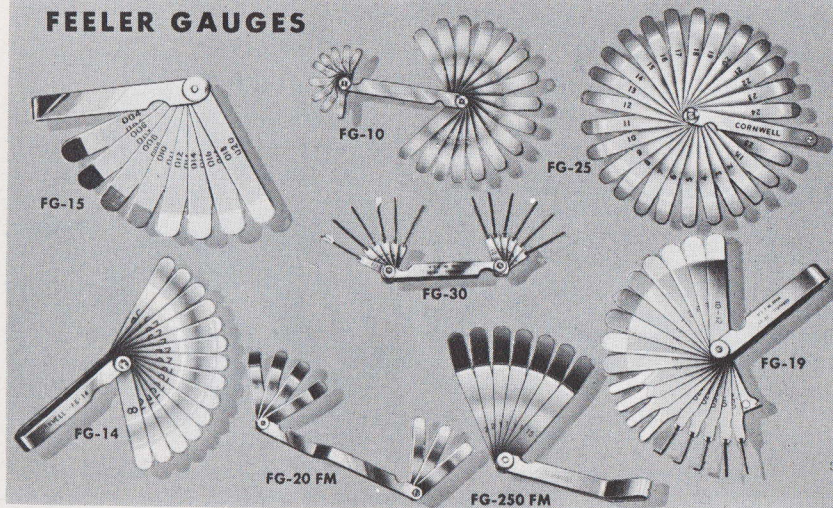
Tool No.	Size
FG-7	3/16" x 4"

#### SPARK PLUG GAUGE

This Gauge consists of one each of sizes .022, .025, .027, .028, .030, .032, .035, .040 Wire Gauges and Bending Tool.

Tool No.	Length
FG-8	4"

## FEELER GAUGES



### "GO AND NO GO" GAUGE

(8 Blades) 2 Sizes to Blade

.004 to .006 .008 to .010 .012 to .014 .016 to .018  
.006 to .008 .010 to .012 .014 to .016 .018 to .020

Tool No.	Length
FG-15	"Go and No Go" Gauge 3 1/2"

### COMBINATION TAPPET AND IGNITION GAUGE

The combination 25 blade feeler gauge consists of the following 1/2" wide, 2 3/4" length blades: .003 .004 .005 .006 .007 .008 .009 .010 .011 .012 .013 .014 .015 .018 .020 .025

The other end has the following 3/16" width blades on working end 2 1/4" long: .016 .018 .020 .022 .025 .028 .030 .032 .035

Tool No.	Length
FG-10	Combination Tappet & Ignition Gauge 3 1/2" & 1 1/2"

### GENERAL PURPOSE FEELER GAUGE

Consists of 25 blades from .0015 to .025 inch inclusive. Most complete for general repair and machine shop practice.

Tool No.	Length
FG-25	General Purpose Feeler Gauge 3 1/2"

### FORD-MERCURY GAUGE

7 Blades 3" long—Contains one each straight blades .016, .018, .019 and one each bent blades .018, .019, .020, .021.

Tool No.	Length
FG-20FM	Ford-Mercury Gauge 3 1/4"

### FORD-MERCURY GAUGE

7 Blades 4" long—Contains one each bent blades .015, .016, .017, .018, .019, .020, .021.

Tool No.	Length
250-FM	Ford-Mercury Gauge 4 1/4"

### FEELER GAUGE SET

14 Blades 1 1/2" long—Contains one each straight blades .008, .010, .012, .013, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032.

Tool No.	Length
FG-14	1 3/4"

### FEELER GAUGE SET

19 Blades 2 3/4" long—Contains one each straight blades (Go and No Go) .010-.012, .011-.013, .012-.014, .013-.015, .014-.016, .015-.017, .016-.018, .017-.019, .018-.020 and one each blades .013, .015, .020, .025 and one each wire gauge .025, .028, .017 .013.

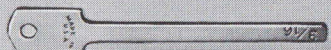
Tool No.	Length
FG-19	3 1/4"

### WIRE FEELER GAUGE SET

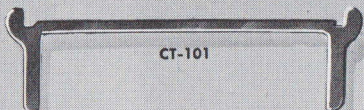
12 Blades 2" long—Contains one each .010, .012, .015, .018, .020, .023, .026, .030, .040, .045, .053, .054.

Tool No.	Length
FG-30	Wire Feeler Gauge 2 1/2"

## Cornwell METERING GAUGES



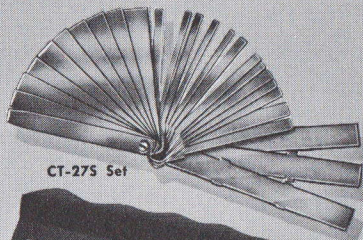
CT-86



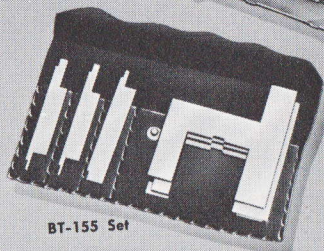
CT-101



CT-115



CT-275 Set



BT-155 Set

### FLOAT AND UNLOADER GAUGES

Tool No.	Size	Tool No.	Size	Tool No.	Size
CT-65	3/4"	CT-72	1 1/16"	CT-85	1 1/4"
CT-66	7/16"	CT-73	2 3/32"	CT-86	3/16"
CT-67	3 1/4"	CT-74	3/4"	CT-87	1 3/4"
CT-68	1/2"	CT-80	3/32"	CT-88	7/32"
CT-69	1/16"	CT-82	1/4"	CT-89	1 3/4"
CT-70	3/8"	CT-83	3/4"	CT-90	1/4"
CT-71	2 1/32"	CT-84	3/32"	CT-92	3/32"
				CT-94	3/16"

### FLOAT LEVEL GAUGES

Tool No.	Size	Tool No.	Size
CT-101	1/32" x 1/16"	CT-111	3/4"
CT-102	3/4" x 3/4"	CT-113	3/16"
CT-103	3/32"		

### ROCHESTER CARBURETOR FLOAT GAUGES

Tool No.	Description
CT-115	Chevrolet Rochester Carburetor Float Gauge.
Tool No.	Description
CT-117	Pontiac Float Level and Drop Gauge.
Tool No.	Description
CT-119	Oldsmobile and Cadillac Float Gauge.

### FLOAT AND UNLOADER GAUGE SET

Tool No.	Description
CT-275	SET consisting of 22 Float and Unloader Gauges and 5 Float Level Gauges as listed above.

### CARBURETOR GAUGES

Gauges for 1955 Rochester Carburetor. May be purchased in complete plastic kit or as individual items.

Tool No.	Description
BT-105	Float and Pump Gauge, Pontiac
BT-106	Choke Rod Gauge, Pontiac
BT-107	Float and Pump Gauge, Chevrolet
BT-108	Choke Rod Gauge, Chevrolet
BT-109	Float and Pump Gauge, Oldsmobile
BT-110	Choke Rod Gauge, Oldsmobile
BT-155	Rochester Gauge Set consisting of one each of above.

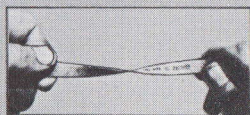
### ROCHESTER CARBURETOR KIT

Tool No.	Description
BT-125	Gauge, Float Level, 1956 Oldsmobile
BT-126	Gauge, Pump Rod Adjusting, 1956 Oldsmobile
BT-127	Gauge, Choke Rod & Unloader Adjusting, 1956 Oldsmobile
BT-128	Gauge, Choke Rod & Unloader Adjusting, 1956 Pontiac
BT-129	Gauge, Float & Pump, 1956 Chevrolet
BT-130	Gauge, Float & Pump, 1956 Pontiac
BT-156	Kit (Consisting of above)

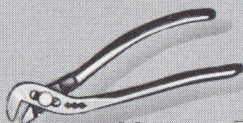
### FOUR BARRELL CARBURETOR GAUGES

Tool No.	Description
BT-66	Float Gauge, Oldsmobile '52
BT-85	Float Gauge, Cadillac '52
BT-87	Float Gauge, Oldsmobile and Cadillac '52
BT-89	Float Gauge, Oldsmobile '54
BT-101	Float Gauge, Cadillac '53 and Pontiac '55
BT-114	Float Gauge, Packard '55
BT-117	Float Gauge, Buick '55

## Ignition Service TOOLS



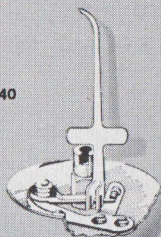
PF-3



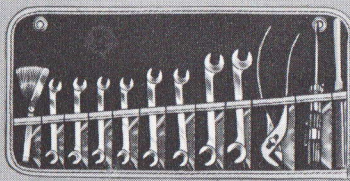
P-2



DA-40



A-20



WK-155



PF-1

### DANDY CONTACT POINT ALIGNER

The Dandy Contact Point Aligner is designed to fit and move all stationary points in all directions necessary for correct point alignment.

Tool No.	Weight
DA-40	Dandy Contact Point Aligner 2 oz.

### DANDY RUBBER BLOCK SURFACER (Rubber Block)

For Delco-Remy and Auto-Lite 6 and 8 Cylinder Distributors

Designed to surface breaker arm rubbing blocks to conform with distributor cam. Reduces rubbing wear to a minimum.

Tool No.	Weight
A-20	Auto-Lite Tool 2 oz.
D-15	Delco-Remy Tool 1 oz.

### POINT FILES

This double cut Tungsten file is the type preferred by most mechanics for filing breaker points. Note particularly the "finger hold" on the end of handle.

Tool No.	Length Cut	O. A. Length	Weight
PF-1	2 3/4"	5"	1 oz.
PF-2 .025" Thick	2 3/4"	5"	1 oz.

### CORNWELL IGNITION KIT

Tool No.	Opening Size	Length
IW-3	1 5/8" x 1 3/4" 60°	3"
IW-5	7/32" 15° x 1/4" 60°	3"
IW-7	1 5/8" x 1 3/4" 60°	3"
IW-9	1/4" 15° x 7/32" 60°	3"
IW-13	9/32" 15° x 3/16" 60°	3 1/2"
IW-17	9/16" 15° x 9/32" 60°	3 1/2"
IW-19	11/32" 15° x 3/8" 60°	3 3/4"
IW-21	3/8" 15° x 11/32" 60°	3 3/4"
PF-1	Steel Point File	
FG-14	Ignition Feeler Gauge	
P-2	Ignition Plier	
SD-137	Ignition Neon Driver	

WK-15 —Set as listed above, Tools only.

WK-15K—Kit only.

WK-15S—Complete Set, Tools and Kit. Weight 3 lbs. Also sold individually.

### IGNITION PLIERS

This little Plier is adjustable from 0 to 1/2" opening. Slotted handle puts jaws parallel to the nut in all positions. Practical tool for ignition work.

Tool No.	Weight
P-2	Ignition Pliers 6 oz.

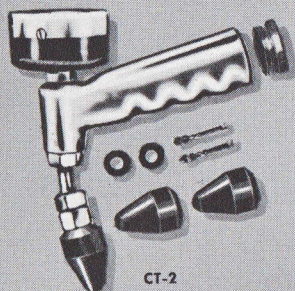
### CORNWELL FLEXSTONE

You can bend or twist it and it won't break, so you can put it into those awkward little corners where you can't get with a steel "point file."

Tool No.	Length	Weight
PF-3	4 1/2"	1 oz.
PF-25	4 1/2" .025" Thick	1 oz.

## Cornwell TESTING EQUIPMENT

ALL GAUGES CALIBRATED  
0-300 LBS. PRESSURE



CT-2

CT-2

### PISTOL GRIP COMPRESSION TESTER

Attractive—highly burnished plating. Easy-to-read numerals are large, and with the pistol grip handle the dial is never obscured by the hand. Hollow handle contains two spare cones, valves and gaskets. Rotary handle, together with the **bent stem** and **compact design**, provides extreme maneuverability and makes it easy to get into back cylinders. Detachable stem feature provides even greater versatility. Stem is easily removed and any other stem may be attached in its place.

Tool No.	Weight
----------	--------

CT-2—Pistol Grip Compression Tester 2 Lbs.

CT-5

### COMPRESSION TESTER

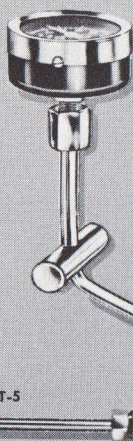
Special compression tester for Ford and Mercury V-8 Engines with overhead valves. Now a tough job can be done easily and quickly, with no slow up by threading into spark plug holes and no inaccuracy caused by bending of hoses.

Tool No.	Weight
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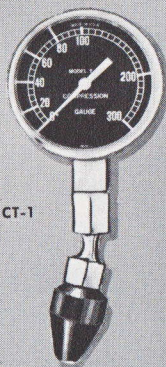
CT-5 1 ¾ Lbs.



CT-5



CT-8



CT-1

CT-1

### COMPRESSION TESTER

Highly burnished plating throughout. Ring is threaded to case, triple strength glass 1 3/4" thick. Small enough to carry in pocket—reaches boxed in cylinders easily.

Large 2 1/2" dial with large numbers. Feature permits use of all stems shown on the reverse side of this sheet.

Tool No.	Weight
----------	--------

CT-1—Compression Tester 1 Lb., 4 Ozs.

CT-8

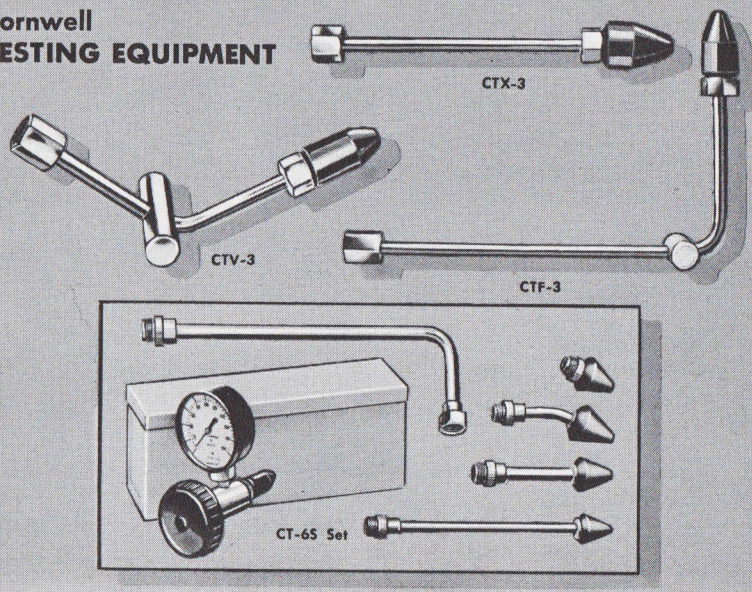
### COMPRESSION TESTER

Good general purpose compression tester but made especially for Chevrolet engines. Reaches all cylinders on both 6 and V-8 engines. Also works fine on Nash, Studebaker and Packard V-8 engines. Here again a tough job can be done **without** wasting time threading into spark plug holes and without the inaccuracy of hoses.

Tool No.	Weight
----------	--------

CT-8—Compression Tester 2 Lbs.

## Cornwell TESTING EQUIPMENT



### CTV-3 STEM

Necessary for Chevrolet, Nash, Studebaker and Packard V-8 engines.

Tool No.	Weight
CTV-3 — Stem	8 oz.

### CTX-3 STEM

Necessary for testing Chrysler, Dodge & DeSoto V-8 engines but its long reach makes it convenient for general testing except where an extremely short stem is needed.

Tool No.	Weight
CTX-3 — Stem	8 oz.

### CTF-3 STEM

Necessary for testing Ford, Mercury and Lincoln overhead valve engines—has special "F" cone for getting into the small diameter spark plug well on Ford engines.

Tool No.	Weight
CTF-3 — Stem	8 oz.

### 14 mm. OUTBOARD STEM (Not Illustrated)

By attaching this stem to one of the testers shown on the reverse side, outboard motors and other small engines with 14 mm. spark plugs, may be tested for compression.

### 18 mm. ADAPTOR (Not Illustrated)

This adaptor may be threaded onto the end of the 14 mm. stem or 14 mm. right angle adapter to permit testing engines with 18 mm. spark plugs.

### 14 mm. ANGLE ADAPTOR (Not Illustrated)

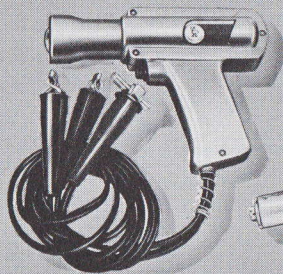
There are a few rare occasions where a spark plug hole is so inaccessible that none of the compression tester stems reach it. In such a case this adaptor would be threaded into the spark plug hole and faced in the desired direction to permit the compression tester to reach.

### CT-6S COMPRESSION TESTER KIT

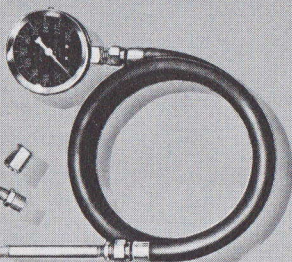
These Compression Gauges are precision instruments for accurately testing individual cylinder compression of all passenger car, truck, tractor and aviation engines. Calibrated 0-200 lbs. Gauge retains pressure readings until the pressure release valve is depressed. Adaptors are included for easily reaching deeply recessed spark plug ports on modern V-8 engines, as well as all hard-to-get-at ports. Supplied in an attractive hinged metal carrying case.

Tool No.	Weight
CT-6S — Compression Tester Kit	3 1/4 lbs.

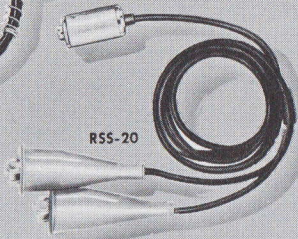
## Cornwell TESTING EQUIPMENT



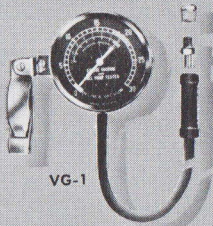
PTL-25



ATG-5



RSS-20



VG-1

### PTL-25

#### POWER TIMING LIGHT—6 & 12 VOLTS

Brighter, sharper beam by at least 20%. It is light weight, slim and compact, with natural balance. In fact, so compact that it will fit into places where most other lights cannot be operated.

Amazingly durable aluminum cast case which will withstand the most rugged handling. Cannot be damaged except by extreme abuse.

Trigger action shuts off light when trigger is released so that bulb operates only when in actual use. Bulbs last many times longer, giving great savings in replacement or repair costs.

Absolutely shockproof. A unique internal ground eliminates any shock, no matter what part of the case touches ignition system.

Tool No.	Weight
PTL-25	Power Timing Light 2 lbs.

### RSS-20

#### REMOTE STARTING SWITCH

This auxiliary switch is an exceptionally handy piece of equipment for use on any car having a solenoid starter switch. Permits starting motor from outside of car, making one-man compression tests possible.

Tool No.	Weight
RSS-20	Remote Starting Switch 1 lb. 4 oz.

### ATG-5

#### AUTOMATIC TRANSMISSION GAUGE

Now 0—300 lbs.—Fittings for any  $\frac{1}{4}$ " or  $\frac{1}{8}$ " pipe connection male or female—Large fitting for hydraulic—may also be used to measure engine oil pressure—extremely heavy 600# burst proof hose.

Tool No.	Weight
ATG-5	Automatic Transmission Gauge 1 lb. 10 oz.

### VG-1

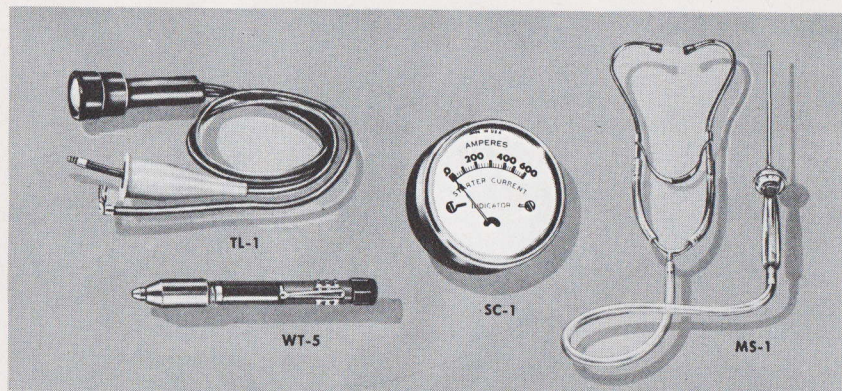
#### VACUUM & FUEL PUMP TESTER

The rubber adapter on the end of the hose has a tapered hole permitting an airtight connection to gas lines and vacuum lines, with a wide range of diameters. For instance, a fuel pump may be tested by pushing the adapter directly over the gas line after disconnecting the gas line from the carburetor. By the old method, it was necessary to remove the gas line and fitting from the fuel pump, thread the proper fitting into the pump and then connect the vacuum gauge to the fitting.

The intake manifold vacuum lines vary in diameter too. Here again, by means of the rubber adapter the vacuum gauge may be connected directly to the line.

On some engines there is a plug which must be removed from the intake manifold to test vacuum. In these cases, remove the plug and thread in the  $\frac{1}{8}$ " fitting. If the manifold has a  $\frac{3}{8}$ " plug, use the  $\frac{3}{8}$ " reducer bushing along with the nipple on the end of the  $\frac{1}{8}$ " fitting.

Tool No.	Weight
VG-1	Vacuum and Fuel Pump Tester 1 $\frac{1}{4}$ lbs.

**TIMING LIGHT**

Made in a sturdy case to stand the hard usage given to this tool under ordinary work conditions.

Its lens construction lights up with such brilliancy showing timing marks with unusual sharpness, brilliant enough to spot the timing marks exactly, making possible a perfect tune-up job, and gives a wide range of brilliance for spark plug testing.

Tool No.	Weight
TL-1 Timing Light	12 Oz.

**NEW PENCIL-TYPE WIRE TESTER**

Will work on both 6 and 12 volt systems.

Equipped with pocket clip and automatic disappearing needle, allowing mechanic to carry in shirt pocket.

Push nose of the tester against the spark plug insulation or wire, needle automatically pierces the insulation and retracts when withdrawn.

For standard plug terminals merely hold nose against spark plug.

Tool No.	Weight
WT-5 Tester	3 Oz.

**STARTER CURRENT INDICATOR**

Not necessary to disconnect anything . . . just hold yoke of meter over cable . . . for 6, 12, 24, or 32 volt systems . . . range 0-600 Amperes . . . zero on left side provides unusually long scale . . . no need to have separate meters with different ranges . . . movement is highly dampened making reading easy . . . dial face is almost 5 sq. in.

Tool No.	Weight
SC-1	5 Oz.

**MOTORPHONE**

The most practical sound detecting instrument made to locate and identify mechanical troubles.

Continuing research has resulted in new engineering changes enabling the Motorphone more effectively to detect and amplify sound over the entire range audible frequencies.

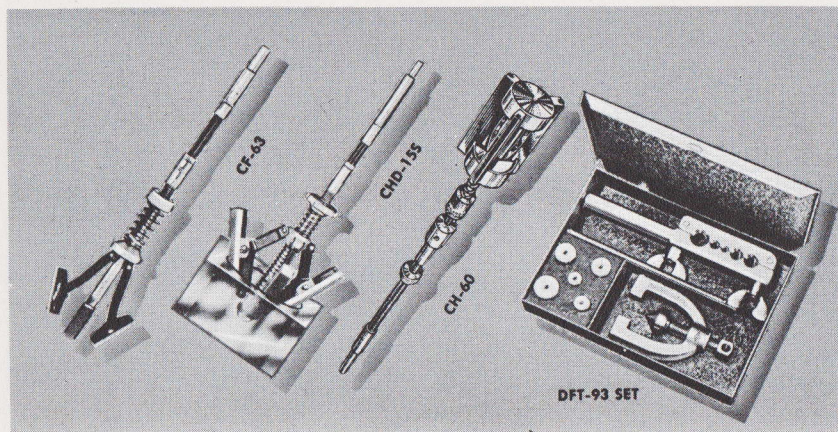
As scientifically correct as a doctor's stethoscope, the MS-1 readily isolates sound sources to quickly and accurately pin-point mechanical trouble.

The use of the Motorphone (1) saves time, (2) adds to the user's professional stature, and (3) lets the car owner hear where, and what, is the trouble.

**Some Examples of Sounds Detected by Motorphone**

Worn gear	Faulty valves	Air compressor trouble
Piston slap	Gasket leaks	Body squeaks
Frozen shackles	Water pump failure	Leaks in pressure lines
Bearing knocks	Rear end noise	Steam trap failure

Tool No.	Weight
MS-1	10 Oz.



### CORNWELL DE-GLAZING TOOL

A heavy duty de-glazing tool with choice of abrasives—cloth or stone. Connecting arms are spring steel, cast parts are strong alloys, and shaft is high tensile steel. Springs and flexible shaft joint are high quality spring wire. Because of the flexible joint, drill action is not critical as in other such tools. The swivel action of backing shoes makes insertion in cylinder bore easy and fast.

Wide capacity ranges—CHD-15 fits 2" to 4 1/2" cylinders. CHD-155 fits 2 1/2" to 5 1/4" cylinders. Flexible-cable joint makes more flexible de-glazing, as under the firewall—used with any speed 1/4" to 1/2" electric hand drill.

Tool No.	Weight
CHD-15	1 lb.
CHD-155	1 lb.

### CYLINDER RESURFACING TOOL

A truly fine Hone developed for the automotive maintenance craftsman. Its patented impregnated abrasive hones hydraulic brake cylinders to a fine finish in the matter of seconds. Tension of the honing stones is easily regulated by adjustment. A guide is provided for service in difficult places. Special stones are available for step cut and blind brake cylinders.

Tool No.	Size Range	Weight
CH-60	3/4" to 2"	1 lb. 2 oz.
CH-70	1 1/4" to 2"	1 lb. 2 oz.

### BRAKE CYLINDER HONE

A fast and convenient tool with wide range, flexible joint drive, and adjustable cutting tension. An all-purpose 280 grit hone designed for brake cylinder and recommended for resurfacing of small engines, up to 2 1/4" bore—lawn mowers, power saws, outboard motors. Offers fast, easy cutting with high or low-speed drills. Capacity is 3/4" to 2 1/4" diameter. Strongly built, self aligning, self centering. Stones permanently cemented to steel backing shoes. Quick change to new stones is a feature.

Tool No.	Weight
CF-63	10 oz.

### IMPERIAL DOUBLE FLARE TOOL SET For Thin-Wall—Soft Steel, Soft Copper and Aluminum Tubing

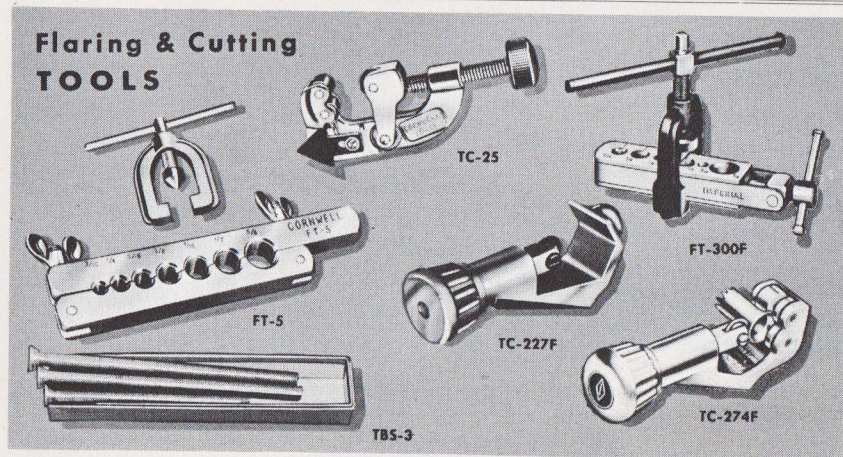
Provides a new, simple, speedy method of making accurate 45° double-flares on thin-wall, soft steel tubing for S.A.E. flare and inverted flare joints. Can be used for making single or double flares on soft copper or aluminum tubing. Double flares are an advantage when joints are reconnected frequently.

Complete set in metal box includes flaring bar, yoke, and 5 adapters.

For 3/16", 1/4", 3/8", 1/2" and 5/8" O.D. Tubing.

Tool No.	Weight
DFT-93 Set	2 1/2 lbs.

## Flaring & Cutting TOOLS



### TUBE FLARING TOOL

For flaring brass, copper or aluminum tubing to make S.A.E. flared joints without splitting. Gripping jaws are knurled to prevent tube slippage during flaring operation. Takes tube sizes  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ " and  $\frac{5}{8}$ " O.D.

Tool No.		Weight
FT-5	Tube Flaring Tool.	1 $\frac{1}{4}$ lbs.

### TUBE BENDERS

Tool No.	O. D. Tubing	Tool No.	O. D. Tubing
TB-1008	$\frac{1}{4}$ "	TB-1014	$\frac{3}{16}$ "
TB-1010	$\frac{5}{16}$ "	TB-1016	$\frac{1}{2}$ "
TB-1012	$\frac{3}{8}$ "	TB-1020	$\frac{5}{8}$ "

TBS-3 Set—Consisting of TB-1008, TB-1010, TB-1012 (In cardboard box)

TBS-5 Set—Consisting of TB-1008; TB-1010, TB-1012, TB-1016, TB-1020 (In cardboard box)

### IMPROVED FLARING TOOL—45° Flare

Speedy, Single lever clamping flares six sizes of tubing more compact—easier to handle.

This tool makes precision 45° S.A.E. flares faster and more easily. Flares  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{5}{8}$ " O.D. soft copper, brass and aluminum tubing.

In place of the usual bar, this tool has a new die holder with sliding does for clamping the tubing. Only one screw at the end to tighten.

Tool No.		Approx. Net Wt.
FT-300F	Flaring Tool	1 $\frac{3}{8}$ lbs.

### TUBE CUTTER

For  $\frac{1}{8}$ " to 1" diameter Tubing. Heat-treated, tool steel cutter wheel has razor edge. Reamer constructed to set flush against tool when not in use, and turns to 90° angle during reaming operation.

Tool No.		Weight
TC-25	Tube Cutter	
TC-25A	Cutter wheel only for above	10 oz.

### JUNIOR TUBE CUTTER

Small size,  $3\frac{1}{2}$ " overall, makes handy tool to carry for use in hard-to-get places. Enclosed feed mechanism protects threads against dirt and damage. Length of tool remains the same regardless of size tubing to be cut.

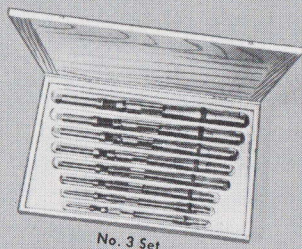
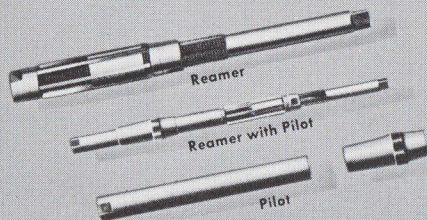
Tool No.	Capacity	Weight
TC-227F	$\frac{1}{8}$ " to $\frac{3}{4}$ "	5 oz.

### HEAVY DUTY TUBE CUTTERS

Free wheeling ball bearing action. Ball thrust bearings make this the easiest operating of all tube cutters. Tubing rolls on two rollers, adding to ease of operation. Flare cut-off groove in rollers makes it possible to remove a cracked flare. Has high strength, light weight, aluminum alloy body which is extremely easy to handle. Length of tool remains the same regardless of size of tubing being cut. Reamer folds out of way when not in use. Locks securely in open or closed position.

Tool No.	Capacity	Length Overall	Weight
TC-274F	For $\frac{1}{8}$ " to 1" O.D. Tubing	4 $\frac{1}{2}$ "	6 oz.

## ADJUSTABLE REAMERS and REAMER PILOTS



No. 3 Set

### INDIVIDUAL REAMERS, PILOTS, OR REAMERS WITH PILOTS ATTACHED

Tool No.	Size Inches	No. of Blades	Length Inches		Reamer Wt. Each		Length of Pilot Inches	Pilot Wt. Each	
			Reamer	Blades	Lb.	Oz.		Lb.	Oz.
8-A	1/4 — 9/32	4	3 1/2	1 3/8		1			
7-A	9/32 — 5/16	4	3 3/4	1 3/8		1			
6-A	5/16 — 11/32	4	4	1 3/8		2			
5-A	11/32 — 3/8	4	4 1/4	1 7/8		2			
4-A	3/8 — 13/32	4	4 1/2	1 7/8		2			
3-A	13/32 — 7/16	6	4 3/4	1 7/8		3			
2-A	7/16 — 15/32	6	5	1 7/8		3			
A	15/32 — 17/32	6	5 1/4	2		3	5		4
B	17/32 — 19/32	6	5 3/4	2		4	5		4
C	19/32 — 21/32	7	6 1/4	2 1/4		5	5		5
D	21/32 — 23/32	7	6 3/4	2 1/4		6	5 3/8		7
E	23/32 — 25/32	7	7 1/4	2 1/2		8	5 7/8		8
F	25/32 — 27/32	7	7 3/4	2 1/2		11	5 7/8		10
G	27/32 — 15/16	7	8 1/4	3		13	5 7/8		11
H	15/16 — 1 1/16	7	8 3/4	3	1	1	5 7/8		14
I	1 1/16 — 1 3/16	7	10	3 1/2	1	10	5 7/8		15
J	1 3/16 — 1 11/32	7	11	3 1/2	1	15	5 7/8	1	3
K	1 11/32 — 1 17/32	7	12	4	2	10	5 7/8	1	11
L	1 17/32 — 1 25/32	7	13	4	3	14	5 7/8	2	1
M	1 25/32 — 2 1/32	7	15	5 1/4	6	9	9	4	13
N	2 1/32 — 2 3/4	7	17	5 3/4	11	10	9	6	5
O	2 3/4 — 3 11/32	7	19	6 1/2	20	9	9	10	

NOTE: Pilots are not available for Reamers 8-A to 2-A

#### 3 SET — 8 REAMERS

Contains eight reamers with pilots attached numbers A to H, cutting range 15/32" to 1 1/16" in wood box.

Tool No.	Weight Each	
	Lb.	Oz.
3 Set	13	1

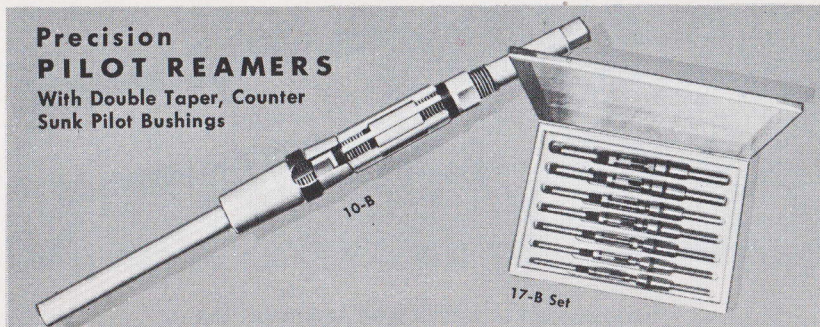
#### 7-P SET — 9 REAMERS

Contains nine reamers with pilots attached numbers A to I, cutting range 15/32" to 1 3/16" in metal box.

Tool No.	Weight Each	
	Lb.	Oz.
7-P Set	14	8

# Precision PILOT REAMERS

With Double Taper, Counter  
Sunk Pilot Bushings



## THE PRECISION PILOT WAY IS THE BEST WAY TO REAM

King Bolt Bushings    Piston Pin Bushings    Pitman Arm Bushings

Part of the pilot bushing shown above is cut away. This shows how the bushing will slide over the nut and collar of the reamer and follow after the blades as they are adjusted, making a very practical piloted reamer for reaming short bushings.

The blades in these reamers are placed at the proper angle to give a smooth shearing cut.

Retaining collars are placed at each end of the blades to protect the reamer nuts, hold the blades firm and allow the reamers to be easily adjusted.

There are two positive guides. The pilot bushing guides the front and the parallel blades guide the back.

Each reamer adjusts to the contracted size of the next larger reamer so that a complete set of sixteen reamers will ream all sizes from  $\frac{7}{16}$ " to  $1\frac{13}{16}$ ".

Through our many years of experience with a high standard on reamers in mind, we have developed the Precision Pilot Reamer, which brings two holes in line and gives a very good percentage of bearing surface.

### INDIVIDUAL REAMERS

Tool No.	Size Inches	No. of Blades	Length Inches Reamer	Blades	Weight Each Lb. Oz.
1-B	$\frac{7}{16}$ — $\frac{1}{2}$	5	$9\frac{1}{4}$	2	6
2-B	$\frac{1}{2}$ — $\frac{9}{16}$	6	$9\frac{1}{4}$	2	6
3-B	$\frac{9}{16}$ — $\frac{5}{8}$	6	$9\frac{1}{4}$	2	7
4-B	$\frac{5}{8}$ — $1\frac{1}{16}$	7	$9\frac{1}{4}$	2	8
5-B	$1\frac{1}{16}$ — $\frac{3}{4}$	7	$12\frac{1}{2}$	2	12
*6-B	$.730$ — $1\frac{1}{16}$	7	$12\frac{1}{2}$	2	14
7-B	$1\frac{1}{16}$ — $\frac{3}{4}$	7	$12\frac{1}{2}$	2	1
*8-B	$.860$ — $1\frac{3}{16}$	7	$12\frac{1}{2}$	1	5
*9-B	$.915$ — 1	7	$12\frac{1}{2}$	2	1 8
*10-B	$.985$ — $1\frac{1}{16}$	7	$12\frac{1}{2}$	2	1 13
11-B	$1\frac{1}{16}$ — $1\frac{1}{8}$	7	$12\frac{1}{2}$	2	2 1
12-B	$1\frac{1}{8}$ — $1\frac{1}{4}$	7	13	3	2 6
13-B	$1\frac{1}{4}$ — $1\frac{3}{8}$	7	13	3	2 10
14-B	$1\frac{3}{8}$ — $1\frac{1}{2}$	7	13	3	3 5
15-B	$1\frac{1}{2}$ — $1\frac{5}{8}$	7	13	3	4 4
15-BA	$1\frac{5}{8}$ — $1\frac{13}{16}$	7	15	3	6 6

### 16-B SET — 4 REAMERS

Consisting of 4 Reamers 1-B to 4-B (cutting range  $\frac{7}{16}$ " to  $1\frac{1}{8}$ "). Put up in neat metal box. Weight 2 lbs. 13 ozs.

Tool No.  
16-B Set

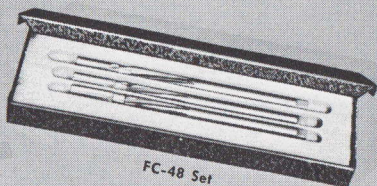
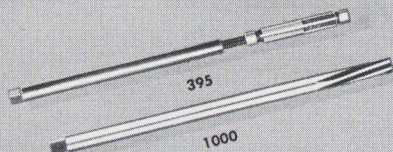
### 17-B SET — 7 REAMERS

Consisting of 7 Reamers 5-B to 11-B (Cutting range  $1\frac{1}{16}$ " to  $1\frac{1}{8}$ "). Put up in neat wood box. Weight 13 lbs. 12 ozs.

Tool No.  
17-B Set

Any Combination of Eleven Reamers (except 15-BA) can be furnished in one Set Box at an additional cost.

## Valve Guide REAMERS



### ADJUSTABLE BLADE TYPE WITH EXTENSION SHANK

Tool No.	Size Inches	Length Overall Inches	Length of Blade Inches	Weight Each Lb. Oz.
395	$\frac{1}{4}$ — $\frac{5}{32}$	8	$3\frac{1}{2}$	2
396	$\frac{5}{32}$ — $\frac{3}{16}$	8	$3\frac{3}{4}$	3
397	$\frac{3}{16}$ — $\frac{11}{32}$	8	4	3
398	$\frac{11}{32}$ — $\frac{3}{8}$	8	$4\frac{1}{4}$	4
399	$\frac{3}{8}$ — $\frac{13}{32}$	8	$4\frac{1}{2}$	4
400	$\frac{13}{32}$ — $\frac{7}{16}$	8	$4\frac{3}{4}$	5
401	$\frac{7}{16}$ — $\frac{15}{32}$	8	5	6

#### 394 SET — 7 REAMERS

Consisting of seven reamers with extension shanks, numbers 395 to 401 inclusive, range  $\frac{1}{4}$ " to  $\frac{15}{32}$ " in metal box.

Tool No.	Weight
394	2 Lb. 8 oz.

### SOLID TYPE

Tool No.	Size Inches	Length Overall Inches	Weight Each
1000	$\frac{3}{16}$	$7\frac{1}{2}$	3 oz.
1002	$\frac{11}{32}$	$7\frac{1}{2}$	4 oz.
1003	$\frac{3}{8}$	8	5 oz.
1005	$\frac{13}{32}$	8	5 oz.
1006	$\frac{7}{16}$	9	6 oz.
1008	$\frac{1}{2}$	9	8 oz.
1009	$\frac{3}{4}$	9	9 oz.

### SPECIAL SOLID TYPE

Tool No.	Application	Length Inches	Size Inches	Weight
FC-3	1952-55 Ford, 6 Cylinder	7	.347	(.003 oversize) 4 oz.
FC-15	1954-55 Ford & Mercury	7	.359	(.015 oversize) 4 oz.
FC-30	1955 Chevrolet	7	.374	(.030 oversize) 4 oz.
1004-A	Oldsmobile 88 & 89	8	.397	5 oz.

### REAMER SETS

#### FC-48 SET — 3 REAMERS

Consisting of one each of FC-3, FC-15, FC-30. In metal box. For 1954-1955 V-8 Mercury and Ford. 1955 Chevrolet. Also 1952-55 6 cyl. Ford.

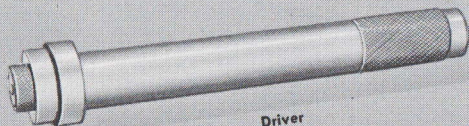
Tool No.	Length	Weight
FC-48	7"	1 Lb. 12 oz.

#### FC-50 SET — 3 REAMERS

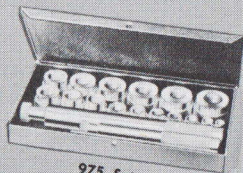
Consisting of one each of CH-5, CH-15, CH-30. In metal box. This special solid type reamer set for all 1955-1956 Chrysler, DeSoto, Dodge and Plymouth cars.

Tool No.	Length	Weight
FC-50	7"	1 Lb. 12 oz.

## DRIVE-M-ALL BUSHING REMOVING & INSERTING SETS



Driver



975 Set

For Passenger Car, Truck, Bus, Tractor, Farm, Road and Construction Equipment Bushings.

Practical bushing removing and inserting sets designed to meet the present day demand. These tools are made of a high grade steel, heat treated and tempered for hard use and long life.

The outside diameters are perfectly true with each other.

### 875-A SET

Complete Bushing Removing and Inserting set, in metal box, as illustrated.

Tool No.	Weight
875-A	4 Lb. 2 Oz.

#### PARTS FOR NO. 875-A SET

Tool No.	Description	Small Diameter Inches	Large Diameter Inches	Weight Each Lb. Oz.
847	Bushing Adaptor	$\frac{3}{8}$ — $\frac{7}{16}$		$\frac{1}{4}$
849	" "	$\frac{7}{16}$ — $\frac{1}{2}$		$\frac{1}{2}$
850	" "	$\frac{1}{2}$ — $\frac{9}{16}$		$\frac{1}{2}$
852	" "	$\frac{9}{16}$ — $\frac{5}{8}$		$\frac{1}{2}$
853-A	" "	$\frac{5}{8}$ — $\frac{11}{16}$		1
854	Bushing Adaptor	$\frac{5}{8}$ — $\frac{3}{4}$		1
855	" "	$\frac{11}{16}$ — $\frac{13}{16}$		1
856	" "	$\frac{13}{16}$ — $\frac{7}{8}$		2
857	" "	$\frac{7}{8}$ — $1$		2
858	" "	$1$ — $1\frac{1}{16}$		2
859	Bushing Adaptor	$1\frac{1}{16}$ — $1\frac{1}{8}$		2
860	" "	$1$ — $1\frac{1}{8}$		2½
861	" "	$1\frac{1}{8}$ — $1\frac{1}{4}$		2½
862	" "	$1\frac{1}{4}$ — $1\frac{1}{2}$		3
862-A	" "	$1\frac{1}{2}$ — $1\frac{3}{4}$		3
863	" "	$1\frac{3}{4}$ — $2$		4
864	No. 1 Driver (Small)			4
865	No. 2 Driver (Medium)			7
866	No. 3 Driver (Large)			15
867	Nut for No. 1 & 2 Driver			$\frac{1}{4}$
868	Nut for No. 3 Driver			$\frac{1}{2}$

### 975 SET

Complete Bushing Removing and Inserting Set, in metal box.

Tool No.	Weight
975	5 Lb. 1 Oz.

#### PARTS FOR NO. 975 SET HEAVY DUTY DRIVE-M-ALL

Tool No.	Description	Small Diameter Inches	Large Diameter Inches	Weight Each Lb. Oz.
976	Bushing Adaptor	$1\frac{3}{16}$ — $1\frac{1}{2}$		4
977	" "	$1\frac{1}{2}$ — $1\frac{1}{2}$		5
978	" "	$1\frac{3}{16}$ — $1\frac{1}{2}$		6
979	" "	$1\frac{1}{2}$ — $1\frac{5}{8}$		6
980	Bushing Adaptor	$1\frac{5}{8}$ — $1\frac{11}{16}$		6
981	" "	$1\frac{11}{16}$ — $1\frac{3}{4}$		7
982	" "	$1\frac{3}{4}$ — $1\frac{7}{8}$		9
985	Driver			1 11
987	Driver Nut			2

Listed below are a few of the large size Trucks and Tractor bushings this set will handle.

	Bushing Adaptor Size Inches
McCormick-Deering—Piston Pin.....	$1\frac{3}{16}$
White Truck—Steering Knuckle.....	$1\frac{3}{16}$
Autocar—Steering Knuckle.....	$1\frac{1}{32}$
Hercules—Piston Pin.....	$1\frac{1}{32}$
International Truck—Piston Pin.....	$1\frac{1}{32}$
Mack Truck—Piston Pin.....	$1\frac{1}{32}$
G. M. C. Truck—Piston Pin.....	$1\frac{1}{32}$
Mack Truck—Piston Pin.....	$1\frac{1}{16}$
Hercules—Piston Pin.....	$1\frac{1}{2}$
Caterpillar—Piston Pin.....	$1\frac{1}{16}$
Mack Truck—Steering Knuckle.....	$1\frac{1}{16}$
John Deere Tractor & Combine—Piston Pin.....	$1\frac{1}{32}$
International Truck—Steering Knuckle..	$1\frac{1}{32}$
Caterpillar—Piston Pin.....	$1\frac{3}{4}$
John Deere Tractor & Combine—Piston Pin	$1\frac{3}{4}$

## SOLID TYPE REAMERS for King Bolt Bushings



These reamers have milled flutes on the front end to remove burrs or excess metal and allow the pilot to enter freely. Both ends of the reamer are ground to act as pilots. This insures perfect alignment.

Tool No.	Description	Size Inches	Length Overall Inches	Weight Each Lb. Oz.
68A	All A, B, 6 and V-8 Ford Pass. Cars 1928-53. F1, F2 and F3 1/2, 3/4 Ton Ford Trucks including 1952. Mercury Cars 1939-48 and 1952-53.....	.8135	14	2
71	Ford Trucks 1938-52 F4, F5 and F6; 1, 1 1/2 and 2 Ton. F500 1953-54. F600 (T, TH)	1.130	13	3 8
72	Ford Trucks F1 and F2 1953-54.....	.8605	12 3/4	2
73	Chevrolet Trucks Cab-Over Engine, Heavy Duty and Dubl-Duti; 3/4, 1, 1 1/2 and 2 Ton 1939-54. G.M.C., Mack, Studebaker and White Trucks using 1.109 King Bolts. . .	1.110	13	3 6
74	Chevrolet Pass. Cars 1934-54 with Ind. Wheel Suspension; 1941-54 1/2 Ton Trucks. Packard 1935-54. . . . .	.867	11	1 12
78A	Lincoln Zephyr and Lincoln 1937-51. Mercury 1949-51. Dodge Trucks VF and WF Series 1940-47. . . . .	.938	14 1/2	2 12
82	Chevrolet 1931-50, 1 1/2 Ton (except Heavy Duty, C. O. E. and School Bus); 1946-54 3/4, 1 Ton (except Dubl-Duti). . . . .	.9225	12 3/4	2 5
82+10	Same as No. 82. .010 Oversize. . . . .	.9325	12 3/4	2 6
82+20	Same as No. 82. .020 Oversize. . . . .	.9425	12 3/4	2 6
84	Plymouth 1935-54. Dodge 1934-54 (except 7 and 8 Pass. Sedan and Limousine). Many Chrysler and DeSoto models. All Kaiser, Frazer and Henry J 1946-54. 1/2 Ton Dodge Trucks. . . . .	.7965	11	1 8
89	Buick 1936-54 (except 80, 90 Models). Oldsmobile 1926-54. Pontiac 1937-54..	.863	11	1 12

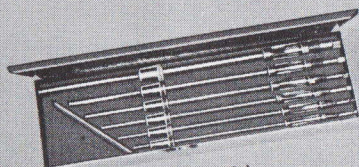
Special sizes (within the above range) will be furnished at an additional NET cost.

### KING BOLT REAMER BUSHING SETS

Sets of King Bolt Bushing Reamers for reaming Timken and other similar King Bolt assemblies which do not permit the reamer to pass through both bushings.

Tool No.	Description	Size Inches	Length Overall Inches	Weight Each Lb. Oz.
79	Set of two reamers consisting of: No. 79-1 and No. 79-2. For Timken Axle Nos. 30000 and 31000 Series. Reo and White Trucks using 1.109 King Bolts. . . . .	1.1105	14 3/4	7 14
80	Set of two reamers consisting of: No. 80-1 and No. 80-2. For Ford Trucks F7 and F8 2 1/2 and 3 Ton 1948-52. Diamond T, 1940-46 Models 702, 702SBD1500. Timken Axle Nos. 32000 and 33000 Series. Clark Axle Model F-308. Dodge, Ford School Bus, Kenworth, Reo, Studebaker, White and Yellow Coach Trucks using 1.234 King Bolts. . . . .	1.2355	16 1/2	10 14
81	Set of two reamers consisting of: No. 81-1 and No. 81-2. For Timken Axle Nos. 35000, 35100, A, D, H, N, TW; 35020H, 35650 Autocar, Ford Bus, Dodge, Kenworth, Mack, Reo Bus and Trucks, and Yellow Coach using 1.359 King Bolts	1.3605	16 1/2	13 2
81A	Set of two reamers consisting of: No. 81-A-1 and No. 81-A-2. For Timken Axle 36000 Series. G.M.C., Kenworth, Reo Trucks and Yellow Coach using 1.484 King Bolts	1.4855	18 1/2	17 8

## Extra Long ALIGNING REAMERS

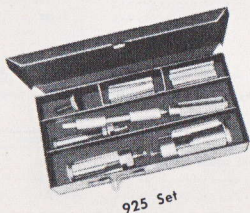


**FOR ELECTRIC MOTOR BEARINGS**  
And any other job where it is necessary to  
bring two bearings into perfect alignment.

By putting the motor bells in place on the motor frame and reaming the bearings in this manner you are assured of a true running armature with an extremely high percentage of bearing surface that insures long bearing life.

Tool No.	Size Inches	Length Overall		No. of Blades	Length of Pilot Included. Nut and Collar Inches	Length of Shank Inches	Weight Each Lb. Oz.
		Reamer Inches	Blades Inches				
0L	$\frac{7}{16}$ - $\frac{1}{2}$	13 $\frac{1}{4}$	2	5	8 $\frac{7}{16}$	11 $\frac{1}{16}$	6
1L	$\frac{1}{2}$ - $\frac{9}{16}$	15	2	6	10 $\frac{3}{4}$	1 $\frac{1}{4}$	8
2L	$\frac{9}{16}$ - $\frac{5}{8}$	15	2	6	10 $\frac{3}{4}$	1 $\frac{1}{4}$	8
3L	$\frac{5}{8}$ - $\frac{11}{16}$	16	2	7	11 $\frac{3}{4}$	1 $\frac{1}{4}$	12
4L	$\frac{21}{32}$ - $\frac{23}{32}$	16	2	7	11 $\frac{3}{4}$	1 $\frac{1}{4}$	12
5L	$\frac{11}{16}$ - $\frac{3}{4}$	17	2	7	12 $\frac{3}{4}$	1 $\frac{1}{2}$	15
6L	$\frac{3}{4}$ - $\frac{13}{16}$	18	2	7	13 $\frac{1}{2}$	1 $\frac{1}{2}$	1 3
7L	$\frac{25}{32}$ - $\frac{27}{32}$	18	2	7	13 $\frac{1}{2}$	1 $\frac{1}{2}$	1 3
8L	$\frac{13}{16}$ - $\frac{7}{8}$	19	2	7	14 $\frac{1}{2}$	1 $\frac{1}{2}$	1 8
9L	$\frac{7}{8}$ - $\frac{15}{16}$	19	2	7	15 $\frac{1}{2}$	1 $\frac{1}{2}$	1 13
10L	$\frac{15}{16}$ - 1	20	2	7	16 $\frac{1}{2}$	1 $\frac{1}{2}$	2 6
11L	1 - 1 $\frac{1}{16}$	21	2	7	16 $\frac{1}{2}$	1 $\frac{1}{2}$	2 14
12L	1 $\frac{1}{32}$ - 1 $\frac{1}{32}$	21	2	7	16 $\frac{1}{2}$	1 $\frac{1}{2}$	2 12
13L	1 $\frac{1}{16}$ - 1 $\frac{1}{8}$	21	2	7	16 $\frac{1}{2}$	1 $\frac{1}{2}$	3 5
14L	1 $\frac{1}{8}$ - 1 $\frac{1}{4}$	24	3	7	17 $\frac{1}{2}$	2 $\frac{1}{4}$	3 15
15L	1 $\frac{1}{4}$ - 1 $\frac{3}{8}$	24	3	7	17 $\frac{1}{2}$	2 $\frac{1}{4}$	4 3
16L	1 $\frac{3}{8}$ - 1 $\frac{1}{2}$	24	3	7	17 $\frac{1}{2}$	2 $\frac{1}{4}$	5 5
17L	1 $\frac{1}{2}$ - 1 $\frac{3}{4}$	24	3	7	17 $\frac{1}{2}$	2 $\frac{1}{4}$	6 14
19L	Set, in metal box, contains $\frac{1}{2}$ " , $\frac{3}{8}$ " , $\frac{11}{16}$ " , $\frac{3}{4}$ " , $\frac{13}{16}$ " and 1" Reamers.						10 15

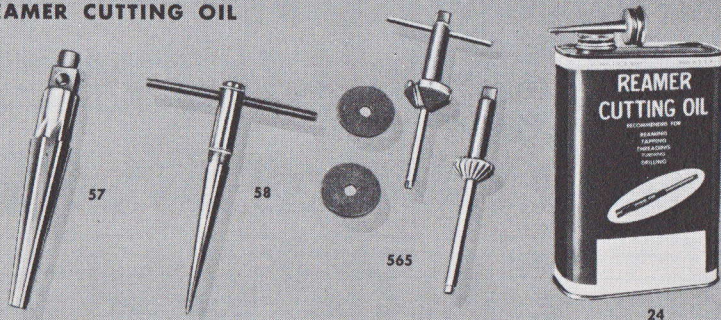
## Hydraulic BRAKE CYLINDER HONE SET



Contains four bodies, three sets of three blades (small, medium and large), with abrasives mounted, eighteen extra abrasives (nine coarse and nine fine); special 1" cup screw to be used on medium size body when honing step bore cylinders, and one each solid and flexible driving shafts adaptable to  $\frac{1}{4}$ " or  $\frac{1}{2}$ " electric drill, put up in metal box.

Tool No.	Range	Weight
925	Set $\frac{3}{4}$ " to 1 $\frac{1}{8}$ "	4 lb. 6 oz.
899C	One dozen coarse hone abrasives.	2 oz.
899F	One dozen fine hone abrasives.	2 oz.

## REPAIRMAN'S TAPER REAMERS VALVE SEAT RESEATERS REAMER CUTTING OIL



### REPAIRMAN'S TAPER REAMERS

VERY USEFUL . . . for removing burrs, enlarging and aligning holes in sheet metal, aluminum, bronze, wood, plastic, etc.; also handy for starting taps.

MADE . . . of high grade TOOL STEEL. Properly heat treated and accurately machined to give long satisfactory service.

SUFFICIENTLY OVERSIZE . . . so they may be resharpened and still maintain full range.

CONSTRUCTED . . . with round shanks making them adaptable for use with an electric drill (remove T-handle on small size). Large size is also squared for driving with a wrench or socket and drilled for T-handle turning.

Tool No.	Range	Length	Weight
56	$\frac{1}{8}$ " to $\frac{1}{2}$ "	$5\frac{3}{8}$ "	Doz. 2 lb. 14 oz.
57	$\frac{3}{16}$ " to 1"	$6\frac{1}{2}$ "	11 oz.
58	T-Handle for No. 57		2 oz.

### VALVE SEAT RESEATERS

For Briggs & Stratton, Clinton, Lawson, Reo, Red Seal Continental, Koehler, Wisconsin, Pioneer-Gene-E and other low horsepower engines having a  $45^\circ$  valve seats from  $\frac{3}{8}$ " to  $1\frac{1}{4}$ " diameters.

A very practical and inexpensive way to reseat both the intake and exhaust valve seats on these light duty engines used on Power Lawn Mowers, Washing Machines, Pumps, Generators, Garden tractors, etc.

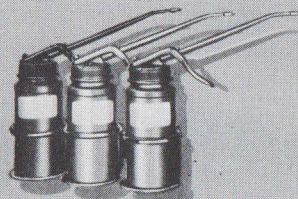
Tool No.	Weight Each
565 Set consists of an $1\frac{1}{4}$ "— $45^\circ$ Abrasive Cutter with coarse abrasive (for hard exhaust seats), one dozen Abrasives (6 coarse & 6 fine), also an $1\frac{3}{16}$ "— $45^\circ$ Solid Type Cutter (used on the intake cast iron seats), one each $\frac{1}{4}$ " and $\frac{3}{16}$ " Pilots and one Handle.....	10 oz.
574 One Dozen Coarse Abrasives, $1\frac{1}{4}$ "— $45^\circ$ .....	1 oz.
575 One Dozen Fine Abrasives, $1\frac{1}{4}$ "— $45^\circ$ .....	1 oz.

### REAMER CUTTING OIL

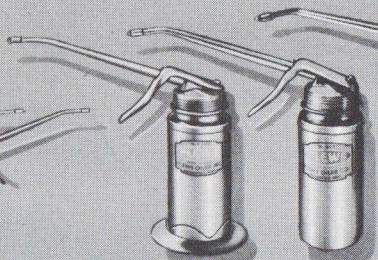
Recommended for Reaming - Tapping - Threading - Turning - Drilling. A must when reaming steel. A few drops of Reamer Cutting Oil distributed evenly over the surface to be reamed or machined will save many times its cost on repairs and resharpening of your cutting tools.

Tool No.	Weight Each
24 Reamer Cutting Oil (Carton of 12 one quart cans) with squirt spout . . . .	29 lbs.
25 Reamer Cutting Oil 1 gallon can . . . . .	9 lbs.
26 Reamer Cutting Oil 5 gallon can . . . . .	43 lbs.

## OILERS



PL-1107

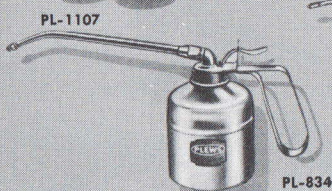


PL-1105

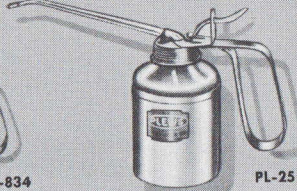
PL-911



PL-1125



PL-834



PL-25

## PISTOL OILER

Fixed Spout—Detachable Tip. Leakproof drawn bodies. Comfortable pistol grips. Powerful, positive pumps, with bronze springs and steel ball valves. Capacity 6 oz. Spout 6" long with single cone tipped vent. Finish is copper-plated and copper lacquered.

Tool No.	Weight
PL-1105	6 lbs. Doz.

## PISTOL OILER

Fixed Spout—Detachable Tip. Leakproof drawn bodies. Comfortable Pistol grip. Powerful, positive pumps, with bronze springs and steel ball valves. Capacity one pint, spout 6" long with single cone tipped vent. Finished in polished nickel.

Tool No.	Weight
PL-911	6 lbs. Doz.

## PISTOL OILER

Fixed Spout—Detachable Tip. Leakproof drawn body. Comfortable pistol grip. Powerful, positive pump, with bronze springs and steel ball valve. Capacity 1 pint, spout 6" long. Finish is polished nickel. Individually packed in attractive cartons.

Tool No.	Weight
PL-1125	11 lbs. Doz.

## HANDLED OILER

Nickel Plated. Fixed Spouts—Thumb Lever Action. Fixed spouts are specially designed for general factory, shop and farm use. Deep-drawn steel bodies. Powerful pumps, with bronze springs and steel ball valves. Ledged tips. Model No. 25 is especially well adapted for service station use.  $\frac{7}{8}$  Pint, 6" spout, twin-tipped Vent.

Tool No.	Weight
PL-25	11 lbs. Doz.

## HANDLED OILER

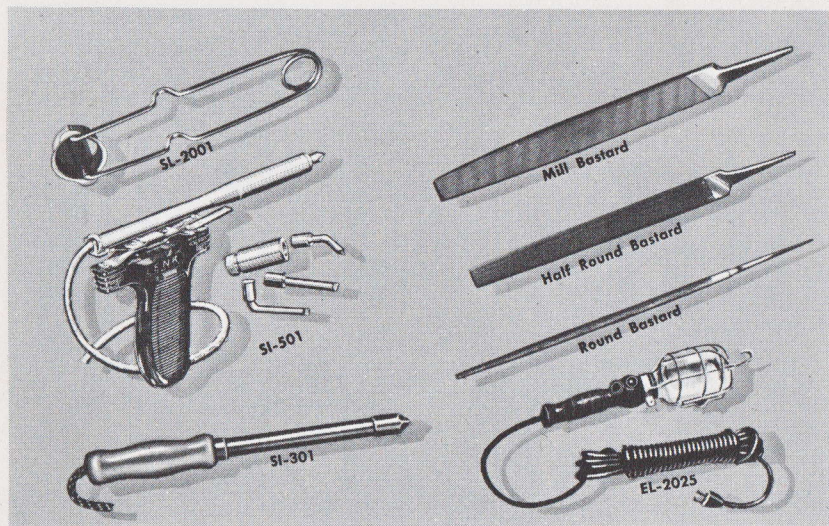
Handled oiler, detachable spout (horizontal rigid 8") 1 pint capacity, nickel finish especially useful in reaching hard-to-get-at lubrication points.

Tool No.	Weight
PL-834	11 lbs. Doz.

## SELECTO-LUBE SET

The new Selecto-Lube Set consists of three quality proven 6 oz. pistol oilers finished in Red, Copper and Gray, complete with triple wall holder. Labels on oilers are blank so that you can fill in the names yourself. The new COLOR KEYED Selecto-Lube shows you at a glance what each oiler contains!

Tool No.	Weight
PL-1107	1 lb. 10 oz.



### SURELIGHT ROUND FILE LIGHTER

Specially designed hood protecting the file and forms a pocket for the gas, insuring instant lighting. Heavy duty round file, large spark tip, high quality tempered steel wire. Length 8"

Tool No.	Weight
SL-2001	8 oz.

### GUN GRIP SOLDERING IRON With 4 Interchangeable Tips

Perfect balance. Solders in any position. Three special tips: straight, 45° and 90°. One tip for heavy duty work. Built-in stand to rest iron safely on work table. Highly polished durable plastic handle always cool. Chrome plated over nickel and copper to resist corrosion. 6-foot cord with unbreakable rubber plug.

Tool No.	Watts	Weight
SI-501	125	2 1/2 lbs.

### SUPERIOR ELECTRIC SOLDERING IRON

These sturdy irons are made of highest quality materials—Guaranteed for long, dependable service. Equipped with heating elements of high-quality nickel chrome wire—hermetically sealed for longer life. These elements especially designed to fit inside solid copper tip to create a faster heating, longer-lasting Soldering Iron. Heavily plated shafts and standard service cord.

Tool No.	Watts	Tip Size	Length Overall
SI-301	100	3/4" dia.	12 1/2"
110 Volts AC-DC (Available 220 Volts)			

### BLUE STREAK BRAND American Pattern Files Mill Bastard

Tool No.	Size	Wt. Doz.	Tool No.	Size	Wt. Doz.
6-M	6"	1 1/4 lbs.	12-M	12"	3 3/4 lbs.
8-M	8"	2 1/4 lbs.	14-M	14"	4 1/4 lbs.
10-M	10"	3 lbs.	16-M	16"	4 3/4 lbs.

### Half Round Bastard

Tool No.	Size	Wt. Doz.	Tool No.	Size	Wt. Doz.
8-HR	6"	1 3/4 lbs.	10-HR	10"	3 lbs.
8-HR	8"	2 1/2 lbs.	12-HR	12"	3 1/2 lbs.

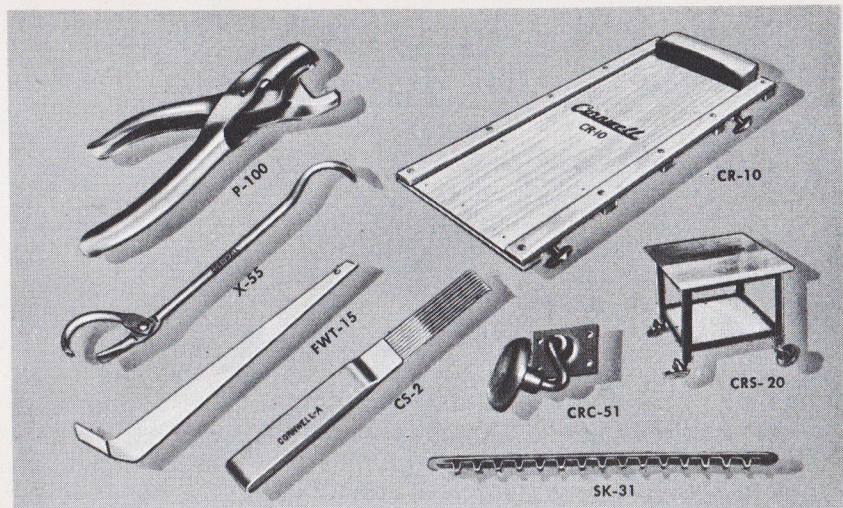
### Round Bastard

Tool No.	Size	Wt. Doz.	Tool No.	Size	Wt. Doz.
6-R	6"	1 lb.	10-R	10"	2 1/2 lbs.
8-R	8"	1 3/4 lb.	12-R	12"	3 lbs.

### EXTENSION TROUBLE LIGHT

These deluxe trouble lights in the 1000 series are fully U. L. approved. Equipped with two outlets. Has snap open guard with swivel hook, shockproof handle with push through safety switch, molded rubber plug, and 18/2 SJ filled Underwriters approved rubber covered wire.

Tool No.	Length	Weight
EL-2025	25'	3 1/2 lbs.
EL-2050	50'	4 3/4 lbs.



### BRAKE PLIER

A fast, positive and dependable Plier for removing, replacing and crimping Lockheed hydraulic "C" washers.

Tool No.		Weight
P-100	Brake Plier	12 oz.

### COMBINATION HUB CAP AND GREASE REMOVER

These combination tools are very handy in any lubrication department. They remove hub caps without marring them. Will then remove the grease caps, also the front wheel bearing, if necessary.

Tool No.		Weight
X-55		2 1/4 lbs.

### DYNAFLO FLY WHEEL TURNER

Turn Buick dynaflo flywheels with ease. Blade fits between flywheel flange and primary converter housing nuts. Handle moves in a vertical arc. Lots of leverage for ease in operation.

Tool No.		Weight
FWT-15	Dynaflo Fly Wheel Turner	1 lb.

### CORNWELL FLEXIBLE WIRE CARBON SCRAPER

This Scraper has a claw-like draw that scrapes with a vengeance. Being flexible, it goes into all curves peculiar to cylinder heads. You get it all, too, no escape from this scraper.

These springs are made of the strongest oil-tempered spring wire. They fit the curve of every piston head perfectly.

Tool No.	Size	Weight
CS-2	10" Long, 1" Wide	8 oz.

### CORNWELL SWIRL CREEPER

Light weight, sturdy and durable Swirling Creeper. Frame made of top quality kiln dried oak—strong ply wood platform. Equipped with 2 1/2" swirl rollers. Rollers do not clog with dust or grease.

Tool No.		Weight
CR-10	Swirl Creeper	13 lbs.

### SWIRL ROLLERS

You can equip your present Creeper with the new modern swirl rollers.

Tool No.		Weight
CRC-51	Packaged in sets of 4	3 3/4 lbs.

### CORNWELL SWIRL SEAT

Swirl Seat for mechanics with tool tray—welded steel construction. Equipped with 3" swirl rollers. 14" square and 12" high.

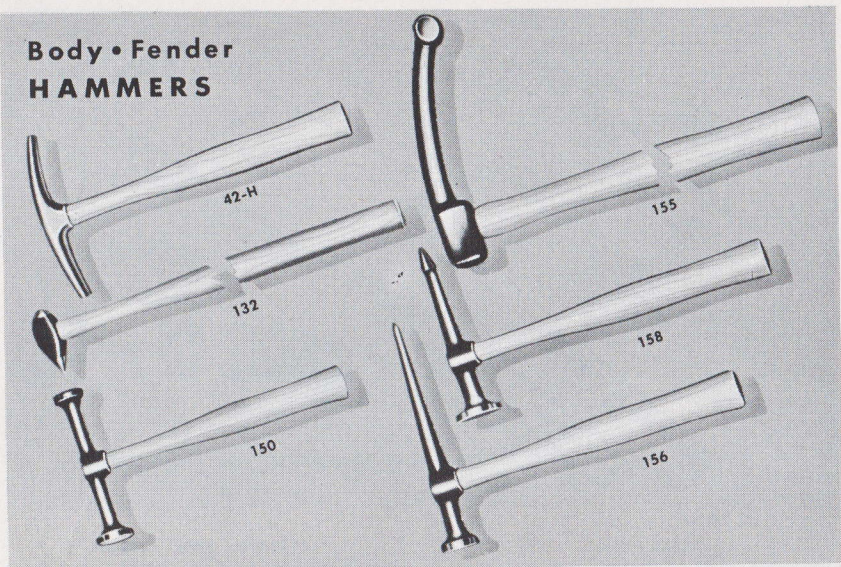
Tool No.		Weight
CRS-20	Cornwell Swirl Seat	14 lbs.

### SOCKET RACKS

A strong and durable Rack, ruggedly built of heavy gauge metal—a real utility for the mechanic for holding sockets for ready accessibility of use. Also an excellent screw driver holder.

Tool No.	Size	Length	Weight
SK-32	1/2"	21"	1 1/2 lbs.
SK-31	3/8"	21"	2 lbs.

## Body • Fender HAMMERS



### UPHOLSTERERS' OR TRIMMERS HAMMER

Magnetic tack hammer designed for trimmers in either factory or service shops. Curvature exactly right for accurate blows. The magnetic points have a keeper to retain magnetism. When necessary, they can be re-magnetized in any local electric shop.

Tool No.	Head Length	Weight
42-H	5 $\frac{7}{8}$ "	7 oz. (without claw)
42-HC	5 $\frac{7}{8}$ "	7 oz. (with claw)
H-42A	Handle replacement	

### PICKING HAMMER

New, small hammer for working on fenders. One end is sharp pick and the other end blunt. Hammer is designed to put you "close to the work."

Tool No.	Length	Wt. Head	Total Wt.
132	2 $\frac{3}{4}$ "	4 oz.	1 lb.

### GENERAL PURPOSE DINGING HAMMER

Used on fenders and other high-crowned panels for both dinging and bumping. The large, low-crowned face is used for dinging "on the dolly." The small, high-crowned face for dinging "off the dolly" and for driving down ridges.

Tool No.	Faces	Round Heads	Weight
150	1 $\frac{1}{4}$ " & 1 $\frac{1}{8}$ "	6" overall	11 oz.

### FENDER BUMPING HAMMER

Designed for bumping out dents in places which cannot be reached with the hand and dolly. Ample clearance to reach around obstructions. Can also be used as a calking iron as the head has been thickened to take hard blows from a heavy hammer.

Tool No.	Length of Head	Weight
155	8 $\frac{3}{4}$ "	1 $\frac{1}{2}$ lbs.

### GENERAL PURPOSE PICK HAMMER

Medium size point and medium reach for general work. The low-crown strawberry point gives weight to perfectly balance the low-crown dinging head.

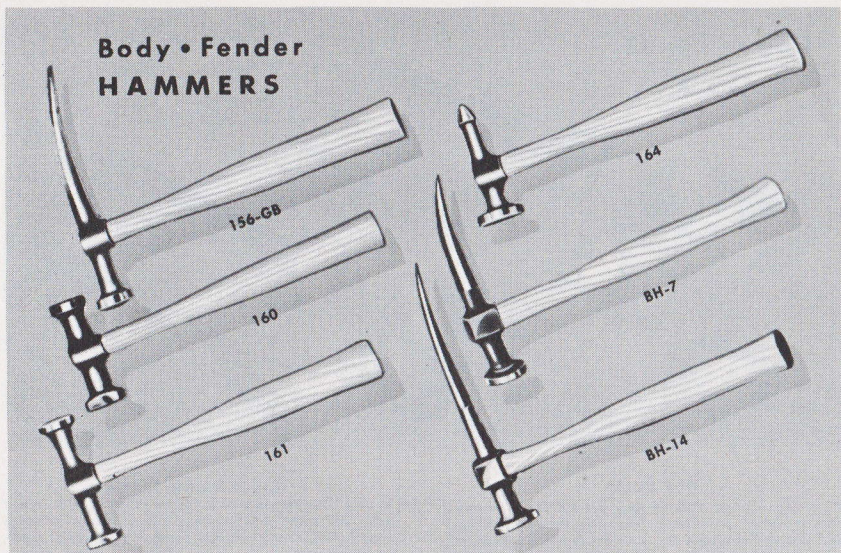
Tool No.	Face	Length Pick End	Weight
158	1 $\frac{1}{16}$ " Rd. Pt., $\frac{3}{32}$ " Radius	3 $\frac{3}{4}$ "	9 oz.

### PICK HAMMER

Long-reach, thin point for dinging up low spots when metal finishing low-crown panels. Reaches easily over braces and inner construction of bodies to difficult places. Dinging head has high-crown face and is perfectly balanced with the pick end.

Tool No.	Face	Length Pointed End	Weight
156	1 $\frac{1}{4}$ " Rd. Pt., $\frac{1}{32}$ " Radius	5 $\frac{1}{2}$ "	9 oz.

## Body • Fender HAMMERS



### CURVED PICK HAMMER

Similar to 156-G except that pick end is bent in arc of a normal blow. Reaches behind reinforcements, into edges of roof rails and other difficult spots. Not illustrated.

Tool No.		Length Pt. End	Weight
156-GB	1 1/4" Rd. Pt., 1/32" Radius	5 1/2"	9 oz.

### HEAVY DUTY BUMPING HAMMER

Designed for heavy gauge truck fenders and similar weight panels which require extra power. Used also in straightening reinforcements, braces and heavy floor panels.

Tool No.	Faces	Length	Weight
160	1 1/4" Rd. and 1 3/16" Sq. Hd.	4"	13 oz.

### DINGING HAMMER

Short reach, light weight dinging hammer with low crown face. The lightest weight dinging hammer in the Cornwell line.

Tool No.	Faces	Head	Weight
161	1 1/4" Round—1 3/16" Square	4"	9 oz.

### UTILITY PICK HAMMER

Blunt point and short reach. Designed for driving up low spots in high-crown panels. Can be used on fenders without removing wheels, and on other repair work with small clearance. Excellent for thin-gauge panels.

Tool No.	Face	Length Ptd. End	Weight
164	1 1/16" Rd. Pt., 1/32" Radius	2" Head	10 oz.

### PICK AND SURFACING HAMMER

The pointed shank of this hammer is curved for better striking balance and to permit reaching behind inner construction and other places inaccessible to the ordinary straight pick. Also used for picking through sound insulation in body panels. Round face. Pointed shank.

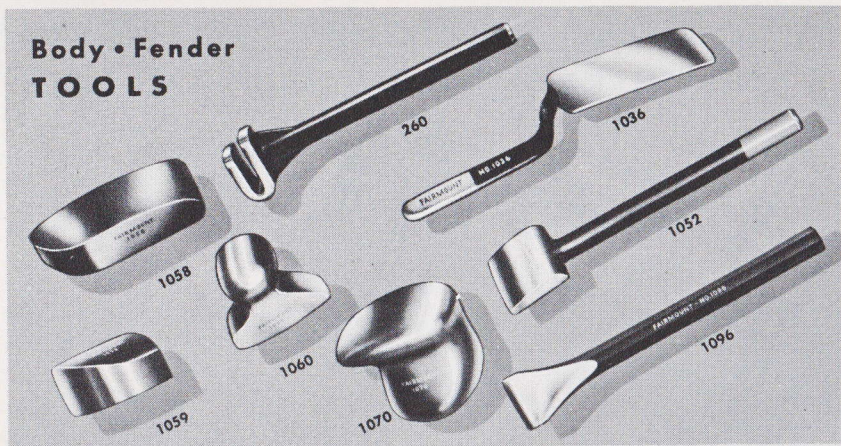
Tool No.	Square Head	Length Pick	Weight
BH-7	1 1/16" Dia.	5"	13 oz.

### COMBINATION PICK HAMMER

Especially designed to reach through deep inner construction of latest model doors and quarter panels for fast pick work. Perfectly balanced and made of drop-forged high quality steel. Full machined 1 1/16" round head. Length of pick 7 1/4".

Tool No.	Round Head	Length Pick	Weight
BH-14	1 1/16"	7"	1 lb., 2 oz.

## Body • Fender TOOLS



### TOE DOLLY

Thinness and length provide easy accessibility to narrow pockets. Large, flat face is frequently used in shrinking and dinging flat panels. The flat sides furnish a convenient anvil for repairing flanges. These features combine to make the Toe Dolly a continued favorite with metal men.

Tool No.	Size	Weight
1058	3 1/8" x 2 1/4" x 1 1/16"	2 1/2 Lbs.

### HEEL DOLLY

Design makes it possible to reach easily into sharp corners and wide radii. These features are exclusive to the Heel Dolly and continue its high demand.

Tool No.	Size	Weight
1059	3 1/8" x 2 3/8" x 1 1/16"	2 1/2 Lbs.

### GENERAL PURPOSE DOLLY

Applications of this dolly are practically unlimited. Provides a convenient and comfortable hand hold during heaviest blows. Weight, balance and several differently crowned working faces, together with two beading and flange lips, give this dolly broad general use.

Tool No.	Size	Weight
1060	2 7/8" x 2 3/8" x 2 1/4"	3 Lbs.

### CHAMPION HEAVYWEIGHT DOLLY

Heavy duty, general purpose fender dolly. A necessity on heavy gauge fenders which resist the blows of lighter dollys. Brings out the toughest damage. Seats comfortably in the hand and protects fingers from a swinging blow.

Tool No.	Size	Weight
1070	3 3/8" x 3 1/4" x 2 1/2"	4 Lbs.

### LIGHT DINGING SPOON

To ding down ridges smooth and level. When held against ridge and struck with hammer, spreads blow over large area making smooth job and preventing nicking or marking of any metal.

Tool No.	Length	Face	Weight
1036	10" Overall	2" x 4 3/8"	11 Oz.

### SPOON DOLLY

Long, permanently attached, extension handle gives it many uses in places otherwise inaccessible to the hand. Can be driven between reinforcements and outer panel, then used to pry outward as the metal is dinged with a hammer. Strong and rugged and can be used as forming and calking tool in the deep pockets or doors, quarter-panels, rear fenders and lower trunk panels.

Tool No.	Size	Weight
1052	2 1/2" x 1" x 3"	3 1/2 Lbs.

### CALKING IRON

Excellent, precision-made wide calking iron. Polished working faces are carefully rounded for use on inside mouldings. Drop forged and heat treated.

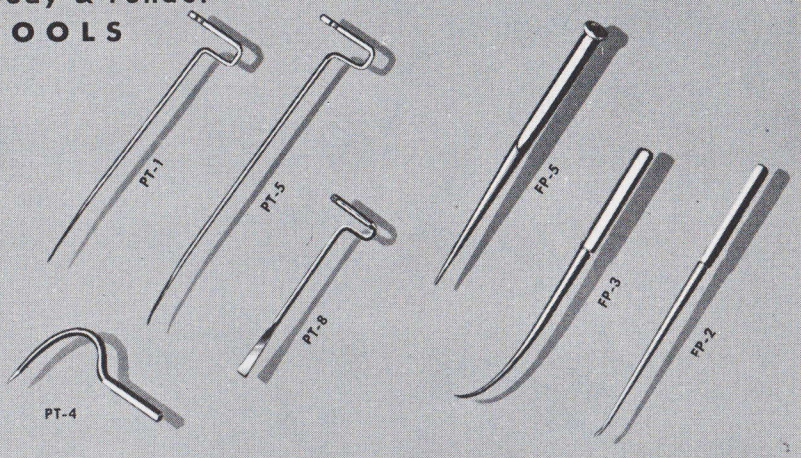
Tool No.	Face	Length	Weight
1096	1 3/4" wide x 1" radius	11"	1 Lb.

### BUMPER BRACKET TOOL

This tool is strong enough to pull a loaded freight car. Jaws are 1/2" steel. Welding is guaranteed even when pipe lengths are fitted over handle for additional leverage. The 1/2" flange fits all brackets and can be used up, down or sideways.

Tool No.	Length	Weight
260	12 1/2"	3 lb. 4 oz.

## Body & Fender TOOLS



### CURVED PICK, SHORT

A medium length curved pointed pick for working through inner construction or lower part of frame. Turning the handle between outside panel and inner construction forces out small bumps. Shank length 22 $\frac{1}{8}$ ". Forged from high quality steel and heat-treated.

Tool No.	Weight
PT-1	1 lb., 14 oz.

### CURVED PICK, LONG

Similar in design and purpose to PT-1 but with a longer shank (28") for greater reach through inner construction and frame. On minor body repairs these tools make removal of trim or inner construction unnecessary. Forged from high quality steel and heat-treated.

Tool No.	Weight
PT-5	2 lbs., 5 oz.

### LONG TEE HANDLE CHISEL BIT PICK

Designed for heavy duty long reach picking as in new style quarter panels. Forged from high quality steel and heat-treated.

Tool No.	Weight
PT-8	1 lb., 13 oz.

### TOP RAIL PICK

Specially curved to fit over top rail inner construction and designed for fast, accurate metal finishing of top rail panel above drip molding. Forged, alloy steel, heat-treated.

Tool No.	Weight
PT-4	1 lb., 8 oz.

### CURVED FINISHING PUNCH

Similar to FP-1, except that it is used in hard-to-get-at places or wherever an offset blow is necessary, such as around pillars in upper reveal. Forged alloy steel.

Tool No.	Weight
FP-2	7 oz.

### HOOKED FINISHING PUNCH

Used in window reveal panels of doors and bodies, also for working on trunk lids. Can be inserted through door handle holes for metal finishing. Hooked design adapts it for use through deep inner construction. Heat-treated alloy steel.

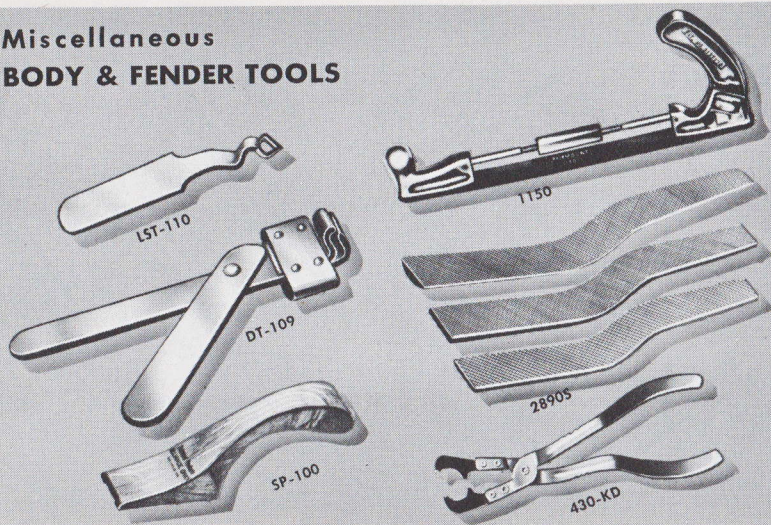
Tool No.	Weight
FP-3	7 oz.

### STRAIGHT FINISHING PUNCH

A straight pick tool which can also be used as a punch for inner construction. For finishing upper reveal section of quarter panels, center lock pillars and upper half of cowl panels. Forged and heat-treated.

Tool No.	Weight
FP-5	11 oz.

## Miscellaneous BODY & FENDER TOOLS



### LOCKING STRIP TOOL

For quick installing of self-sealing rubber weather strip quickly and easily. Tool automatically spreads the channel to receive the locking strip, and the heel of tool presses it in securely as it passes along.

Tool No.		Weight
LST-110	Locking Strip Tool	6 oz.

### DRIP RAIL FORMING TOOL

New—it's amazingly different. Just place tool on drip moulding on either side of damaged section, drive it along channel with light hammer through damaged section—presto, the damaged section is reformed like new. It's fast and easy to use.

Tool No.		Weight
DT-109	Drip Rail Tool	14 oz.

### DETACHABLE SOLDER PADDLE SET

A new innovation in solder paddle set with patented spring clip feature for quick and easy removing and replacing of paddle blades.

Tool No.	
SP-100H	Handle only, for SP-100
SP-100 No. 1	Blade only, for SP-100 (small)
SP-100 No. 2	Blade only, for SP-100 (wide)
SP-100 No. 3	Blade only, for SP-100 (round)

SP-100—SET complete, including six No. 1 blades, one No. 2 blade, and one No. 3 blade. Weight 1 pound.

### BUMPING FILES

A time and labor-saving tool for use in auto body repair shops. These bumping files are used like a hammer with a dolly-block to slap out dents in bodywork. They will not expand the metal but tend to contract it to its original shape.

Tool No.		Length	Width	Weight
2088	Flat Course	12"	1 3/8"	1 lb.
2089	Flat Medium	12"	1 3/8"	1 lb.
2090	Half Round Medium	12"	1 3/8"	1 lb.

2890S—SET (one each of above). Weight 3 lbs.

### ADJUSTABLE FILE HOLDER

Permits use of 14" files. Handle adjustable for both right and left hand use for working close to offset or panels. Permits flexing file either way to maximum point of safety against breakage.

Tool No.	Weight
1150	1 lb. 2 oz.

### DOOR HANDLE SPRING REMOVER

Provides a fast, sure way for reaching, removing horseshoe retaining springs used on interior car door handles. Won't mar upholstery, reduces danger of flying springs. Strong, all-steel construction. Rustproof finish.

Tool No.	Length	Weight
430-KD	7 3/4"	5 oz.

## Nolvex FILE BLADES & HOLDERS



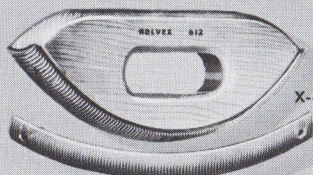
X-414



X-406



X-1207S



X-612



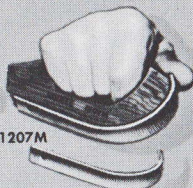
R-6"

N-7" S

X-1207F

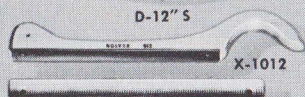


N-7" F



X-1207M

N-7" M



D-12" S

X-1012



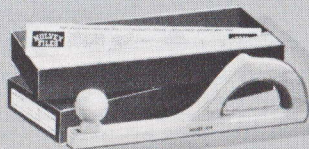
K-12



X-912



J-12



U-4146

The combination of File Blade and correctly designed, matched and balanced Holder is essential for best File Performance. The Nolvex Line of Blades and Holders illustrated is the first offered in combination as a genuine Automotive Service Tool Line.

### FILE BLADES

Tool No.	Kind
U14"	14" Flexible—U-Type Tooth
D12"S	12" Half Circle Shell
K12"	12" Half Round Shell
J12"	12" Moulding
N7"F	7" Flat Reveal
N7"M	7" Moulding Reveal
N7"S	7" Shell Reveal
R6"	6" Radius

### HOLDERS

Tool No.	Weight Each
414	12 oz.
612	8 oz.
1012	8 oz.
912	8 oz.
1207F	3 oz.
1207M	3 oz.
1207S	3 oz.
406	4 oz.

### HOLDERS WITH BLADES ATTACHED

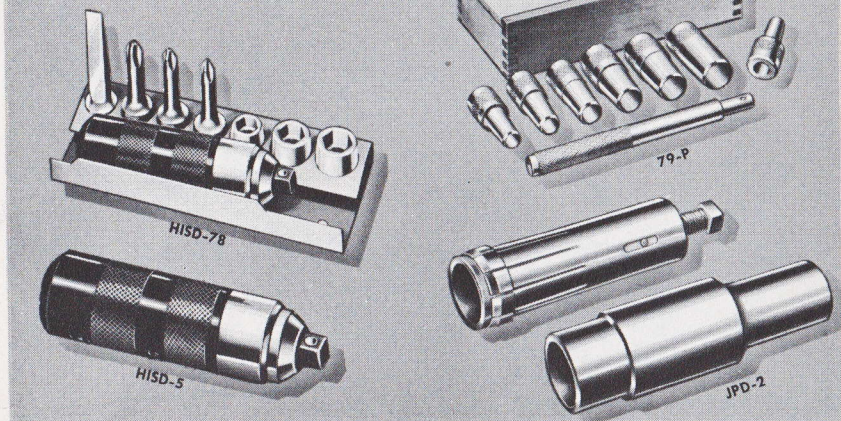
Unit No.	Weight Each
X414	24 oz.
X612S	15 oz.
X1012	15 oz.
X912	15 oz.
X1207F	5 oz.
X1207M	5 oz.
X1207S	5 oz.
X406	8 oz.

**No. U-4146 Set**—This set contains six 14" U-Type Tooth Blades and one No. 414 seasoned maple handle put up in strong cardboard box.

Tool No.	Weight Each
U-4146 Set	5 1/4 lbs.

## SETS

### Gasket Punch • Impact Wrench • Puller Driver Set



#### HAMMER IMPACT WRENCH SET— $\frac{3}{8}$ " SQUARE DRIVE

An ideal Impact Driver Wrench Set for tightening and loosening nuts, bolts and screws. Just twist and rap and rap and twist, and presto—screws, bolts and nuts loosened or tightened in a jiffy.

Set consists of:

- 1—Impact Driver No. HISD5
- 1— $\frac{7}{16}$ " Hex Socket
- 1— $\frac{1}{2}$ " Hex Socket
- 1— $\frac{9}{16}$ " Hex Socket
- 1—Socket Screw Driver
- 1—Phillips Socket Screw Driver No. 4 point
- 1—Phillips Socket Screw Driver No. 3 point
- 1—Phillips Socket Screw Driver No. 2 point

Tool No.	Weight
HISD-78	Complete as listed above in special tray. 2 lbs. 6 oz.
HISD-78T	Tray only.

#### HAMMER IMPACT DRIVER

A new and practical tool for removing rusted screws with damaged heads that cannot be loosened with ordinary screw driver. Also used for broken studs, bolts and many other uses.

Tool No.	Weight
HISD-5	Hammer Impact Driver— $\frac{3}{8}$ " Sq. Drive 14 oz.

#### GASKET PUNCH SET

This handy set of detachable gasket punches in seven sizes— $\frac{1}{4}$ ",  $\frac{3}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ ",  $\frac{9}{16}$ " and  $\frac{3}{4}$ ", with handle for use on any of the above size punches, for use in punching holes in fibre or cork gaskets.

Tool No.	Weight
79-P	12 oz.

#### BUSHING PULLER AND DRIVER SET

For 49-53 Ford and Mercury—Standard and overdrive. Quickly removes and replaces bushing and grease seal. Worn bushing is usually the root of the trouble when there is vibration and leaking grease seal. The slightest wear on the bushing sets up considerable vibration which immediately causes grease seal to leak.

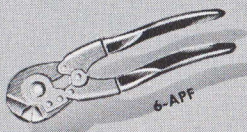
Bushing Puller and Driver Set removes bushing easily and does the job in a matter of minutes.

Tool No.	Weight
JPD-2	3 lbs.

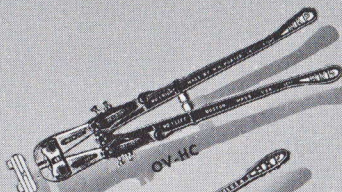
## Chain Cutter & Repair TOOLS



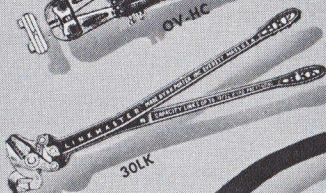
6-LK



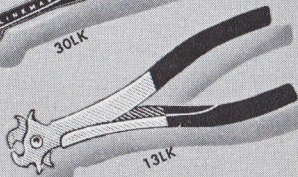
6-APF



OV-HC



30LK



13LK

### 6 LK LINKFIX

Ever try to fix a clanking chain on the road in the snow or ice or mud? Here's a lifesaver that repairs car chains for motorists in a hurry. Amazing power, yet a low-cost, practical tool. LINKFIX should be in every glove compartment. Broken links can ruin tires, fenders, disposition.

Tool No.	Approx. Length Of Tool	Capacity	Weight
6LK	6½"	All Passenger Car Tire Chains	4 oz.

### HANDKLIP 6A ANGLE CUTTER

A valuable mechanic's tool for CLOSE Cutting Soft Wires, Rods, Bolts, Hog Rings, Cotter Pins, etc.

Tool No.	Approx. Length Of Tool	Soft Bolts In Thread	Soft Rods	Weight
6APF	9"	¼"	⅜"	13 oz.

### HARD CHAIN CUTTERS

The only type of cutter that will successfully cut case-hardened cross links of tire chain. Useful for cutting surplus links of side chain. Made in 3 sizes.

Tool No.	Approx. Length Of Tool	Capacity Hard Chain	Weight
OV-HC	18"	¼"	3 ¼ lbs.

### LINKMASTER

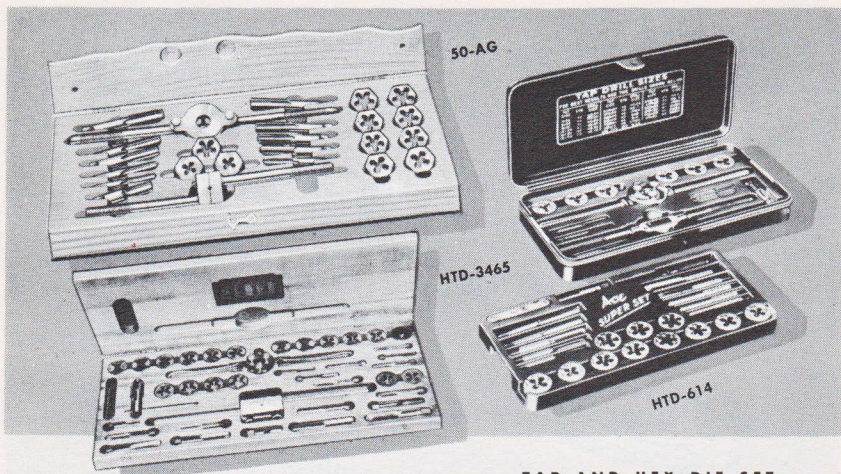
Universally used by garages, tire shops, service stations and fleet operators. Fixes any size from large heavy chains down to small passenger car chains. Eliminates carrying heavy chains to the workbench. Spread them on the floor, take the powerful Linkmaster to the chains and do the job "standing-up." Spreader and closer jaws are tough alloy steel, drop-forged and scientifically heat-treated.

Tool No.	Approx. Length Of Tool	Capacity To Open or Close Links of Wire Size	Weight
30LK	30"	Up to 13/32" diam.	7 lbs.

### 13 LK LINKSEM

A new chain repair tool that can handle light truck chains as well as passenger cars. Speedy and powerful in action, very rugged, yet light in weight. Ideal for quick chain repairs on the road and in the garage.

Tool No.	Approx. Length Of Tool	Capacity	Weight
13LK	13"	⅜" diameter links	1 ½ lbs.



### ACE TAP AND DIE SET

Here is a set that will delight mechanic. A lightweight, compact kit with a popular size range of Taps, Dies, Handles and accessories,—39 tools, each in its own easy-to-reach compartment,—all in a sturdy, unbreakable plastic case. Contains the following:

Die Stock, Tap and Reamer Wrench, T Tap Wrench, Screw Pitch Gauge, Screw Driver. Plus one each Tap and Die in following sizes:

Machine Screw Standard	NC (US Standard)	NF (SAE Standard)
4 x 36	1/4 x 20	1/4 x 28
6 x 32	3/16 x 6	3/16 x 24
8 x 32	3/16 x 16	3/16 x 24
10 x 24	7/16 x 14	7/16 x 20
12 x 24	1/2 x 13	1/2 x 20
	1/8" Pipe	

Tool No.	Type of Die	Weight
HTD-614	Solid 1" O.D.	4 Lbs.

### DELUXE TAP AND DIE SET

Assembled with adjustable type dies, adjustable guide die stocks and suitable tap wrenches. Packed in wooden box. Contains 1 each plug tap and adjustable die in following sizes:

NC	and	NF	NC	and	NF
1/4 x 20		1/4 x 28	1/2 x 13		1/2 x 20
3/16 x 18		3/16 x 24	3/16 x 12		3/16 x 18
3/8 x 16		3/8 x 24	3/8 x 11		3/8 x 18
7/16 x 14		7/16 x 20	3/4 x 10		3/4 x 16

Plus one each 1/8" and 1/4" solid type pipe. All dies are 1 1/2" O.D.

Tool No.	Weight
HTD-3465	17 Lbs.

### TAP AND HEX DIE SET

1/4" to 1/2"—also 1/8" pipe die and tap. Dies are Hexagon type and can be used with 1" Socket.

Tool No.	Description	Tool No.	Description
VHD-2	Die stock	V-5-T	1/4"-20 Tap
VTD-4	Adj. Tap Wrench	V-10-T	3/16"-18 Tap
VD-5	1/4"-20 Die	V-15-T	3/8"-16 Tap
VD-10	3/16"-18 Die	V-20-T	7/16"-14 Tap
VD-15	3/8"-16 Die	V-25-T	1/2"-13 Tap
VD-20	7/16"-14 Die	V-30-T	1/4"-28 Tap
VD-25	1/2"-13 Die	V-35-T	3/16"-24 Tap
VD-30	1/4"-28 Die	V-40-T	3/8"-24 Tap
VD-35	3/16"-24 Die	V-45-T	7/16"-20 Tap
VD-40	3/8"-24 Die	V-50-T	1/2"-20 Tap
VD-45	7/16"-20 Die	V-55-T	1/8"-Pipe Tap
VD-50	1/2"-20 Die		
VD-55	1/8"-Pipe Die		

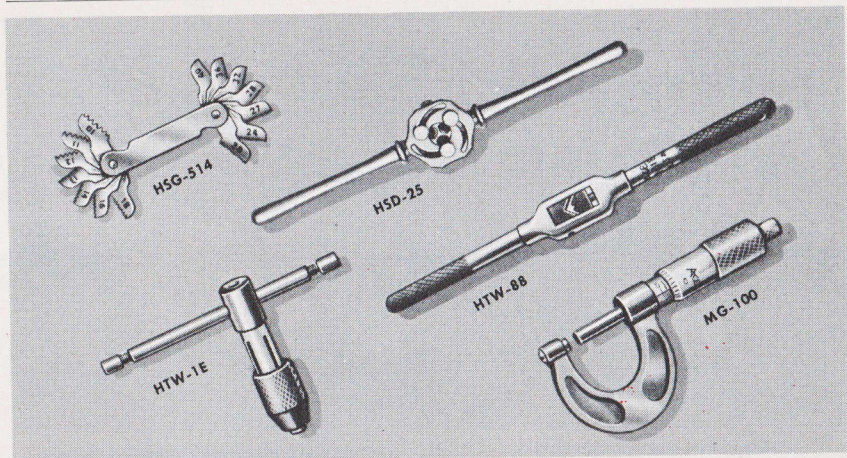
50-AG—Set contains one each of above units in fitted wood case.

### TAP AND DIE SETS (Not Illustrated)

This Machine Screw Tap and Die Set contains six popular size Machine Screw Taps and Dies. The Dies are of the Adjustable Split type. The Adjustable Tap Wrench is of the "Tee" type and can also be used as a Reamer Wrench within its capacity.

Tool No.	Description	Tool No.	Description
MST-22	4-36 M.S. Tap	TD-2	"T" Type Tap Wr.
MST-30	6-32 M.S. Tap	MSD-22	4-36 M.S. Die
MST-36	8-32 M.S. Tap	MSD-30	6-32 M.S. Die
MST-44	10-24 M.S. Tap	MSD-36	8-32 M.S. Die
MST-46	10-32 M.S. Tap	MSD-44	10-24 M.S. Die
MST-52	12-24 M.S. Tap	MSD-46	10-32 M.S. Die
DH-2	Die Stock	MSD-52	12-24 M.S. Die

22-AG—Set contains one each of the above units neatly packed in a fine wood box.



### T HANDLE TAP WRENCH

T Handle Tap Wrenches are the sliding handle type with spring tension to hold handle in any desired position. They are furnished in the sizes listed below, all with polished bodies and blued nuts.

Tool No.	Capacity	Wt. per Doz.
HTW-0E	No. 0 to No. 8	1 ½ Lbs.
HTW-1E	No. 0 to No. 12	1 ½ Lbs.
HTW-2E	¼" to ½"	5 Lbs.

### TAP AND REAMER WRENCH

Hardened Jaws, polished nickle finish. Quick Action, sure grip. Can be taken apart for cleaning.

Tool No.	Capacity	Wt. per Doz.
HTW-88	4 x 36 to ½" Taps, Inc.	

### ADJUSTABLE GUIDE DIE STOCKS

Adjustable Guide Die Stocks will cut straight threads. This guide is adjustable for the full range of the Dies it holds.

Tool No.	Outside Dia.	Threading Range	Wt. per Doz.
HDS-25	1"	No. 4 to ½"	7 Lbs.

### SCREW PITCH GAUGES

Screw Pitch Gauges are all made with a flat U.S. Thread form on the top of each blade. This enables the user to measure either U.S. form threads or sharp V threads with the same gauge. Each blade has accurate milled threads, and thread angles and pitches are held well within commercial tolerances.

Tool No.	No. of Blades	Measuring Sizes	Wt. per Doz.
HSG-514	14	10, 11, 12, 13, 14, 16, 18, 20, 24, 27, 28, 32, 36, 40	1 Lb.

Note: Threads per inch all 60 degree angle U.S. thread form.

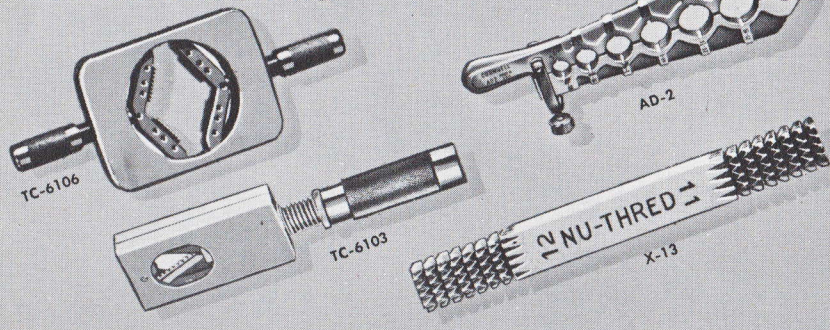
### MICROMETERS

A precision measuring tool at a reasonable price. Correctly proportioned to minimize spring or distortion of frame. Frame is die cast from special alloy; all other parts are steel.

1. Accuracy guaranteed to .0005" in full range of Micrometer.
2. Screw type anvil makes zero adjustment easily obtainable.
3. Spring Friction Stop assures greater accuracy.
4. Accurate thread on spindle running in a steel bushing, firmly fixed to frame, preserves accuracy in continued use.
5. Frame, thimble and ratchet fully chromed.
6. Every Micrometer is checked for accuracy with gauge blocks.

Tool No.	Weight
MG-100	4 Oz.

## Cornwell THREAD RESTORERS



### BUCKINGHAM THREAD RESTORERS

#### Restore Battered or Damaged Threads

The Buckingham Thread Cleaner is a precision tool and should be given the same consideration as any other precision or cutting tool.

When any male threaded part is battered and damaged don't discard it. It can be made usable.

Damaged male threads of any size or pitch, on any type of bolt, stud or shaft, can be reconditioned quickly and easily with one of these tools. They restore flattened, distorted or badly rusted right or left-hand threads (SAE or ASME) so that nuts can be removed or put on with ease. No change of dies necessary.

Buckingham Thread Cleaners are valuable tools for service shops, garages, car dealers, truck maintenance mechanics, marine maintenance, farmers and plumbers. Can be used by any mechanic, repairman or maintenance worker in the shop or in the field. Does not cut—rolls the thread back into shape without removing any thread metal.

Tools should be in every automobile service shop.

Tool No.	Size	Swing	Working Distance from Shoulder	Weight
TC-6103	1/4" to 1" (3/4" pipe thread) (2" pipe thread)	7"	1/2"	3/4 lb.
TC-6204	1" to 2 1/2" (2" pipe thread)	4 3/8" to 5 3/8"	3/16"	2 1/4 lbs.
TC-6203	1/4" to 1"	2 3/4"	1/2"	1 lb.
TC-6106	2" to 4"	9"	3/16"	2 3/4 lbs.

### CORNWELL NU-THREAD THREAD RESTORER

This tool is a real necessity for the automobile owner, the garage, the machine shop, and should be in the mechanics' kit.

The X13 tool has the following threads per inch on it: 11, 12, 13, 14, 16, 18, 20 and 24.

The X14 tool has the following threads per inch on it: 9, 10, 15, 16, 20, 26, 28 and 32.

Tool No.	Length	Weight
X-13	7"	4 oz.
X-14	7"	4 oz.

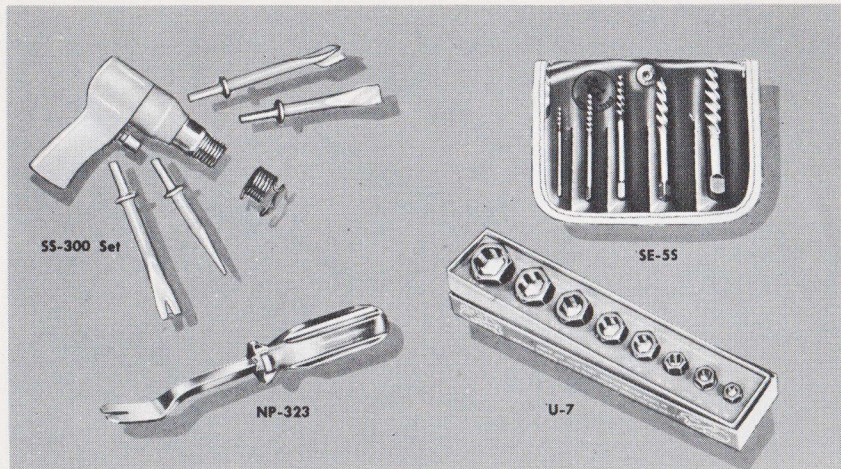
### AXLE RETHRADING DIE

This axle rethreading die is used for rethreading axles without removing them from the housing.

When wheels are removed with difficulty by means of the knock-off type wheel puller the threads are occasionally damaged and this Axle Rethreading Die will quickly rechase the threads without loss of time. The die is split for quick application and is fitted to the threads at the back end of the axle and rechases the threads through the damaged portion of their length. ALWAYS APPLY THE TOOL TO THE REAR OF THE THREAD AND BACK IT OFF.

Has the following S.A.E. thread sizes: 3/8", 1/2", 3/4", 1", 1 1/8" and 1 1/4".

Tool No.	Length	Weight
AD-2	11"	1 3/4 lbs.



#### AUTO BODY TOOL SET (6-Piece)

A powerful hammer, simply constructed to out-perform and out-last the conventional type of pneumatic hammer now on the market. This set is equal to any body tool now in the field. A modern set for the modern shop. A work saver if there ever was one. Specify Air Regulator if desired.

Set consists of:

Panel Cutter • Cold Chisel • Spot Welder Buster  
Solid Punch • Universal Spring • Pneumatic Hammer

#### BODY TOOL ATTACHMENTS

No.	Tool	No.	Tool
SS-301	Panel Cutter	SS-311	Goo Scraper
SS-302	Cold Chisel	SS-312	Paneling Tool
SS-303	Weld Buster	SS-313	Rivet Cutter
SS-304	Tapered Punch	SS-314	Forming Head
SS-305	Holder Spring	SS-315	Smoothing Hammer
SS-306	Panel Cutter	SS-316	Peining Tool
SS-307	Ripping Tool	SS-317	Hinge Pin Puller
SS-308	Edger	SS-318	Rubber Hammer
SS-309	Lead Trimmer	SS-319	Shackle Bush Tool
SS-310	Metal Hole Punch	SS-320	Flanger
	SS-322	Star Drills	

Tool No.	Weight
SS-300 Set	8 1/4 Lbs.

#### SCREW EXTRACTOR SET

A very handy set attractively packaged in a convenient plastic case. Contains one each Nos. 1, 2, 3, 4 and 5 Screw Extractors.

Tool No.	Weight
SE-55	7 Oz.

#### RETHREADER DIE SETS

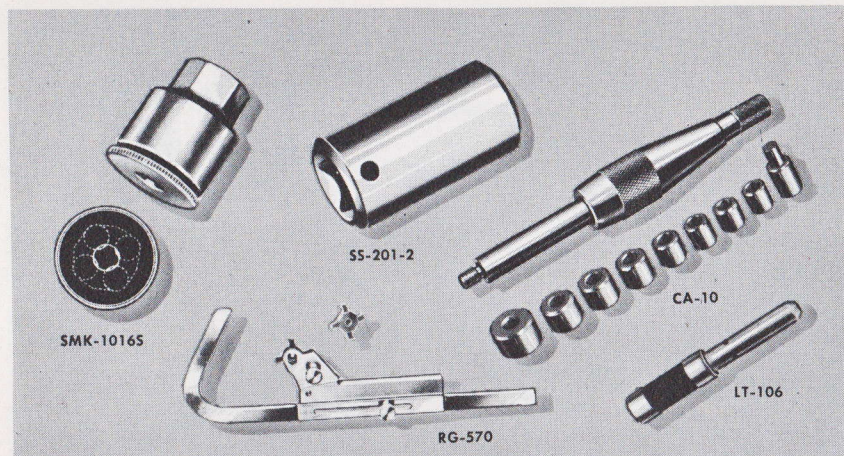
Dies are nut-size and the only means for rethreading where space is at a minimum. Run these hardened dies on and off with any wrench. No skill required—damaged threads are renewed instantly. Will not undercut the good thread—nut still fits like new. All dies are uniform in quality and hardness—also color-identified for selection at a glance.

Tool No.	Description	Weight
U-7	1/4" to 3/8" U.S.S	9 Oz.
S-8	1/4" to 3/8" S.A.E.	10 Oz.

#### NAIL AND TACK PULLER

Chrome plated blade. Plastic handle. This tool is a handy one for the automobile body repairman. It is designed to use as a tack puller and very applicable for use in breaking away the upholstery and back board from the inside of the body.

Tool No.	Weight
NP-323	8 Oz.



### CORNWELL STUD REMOVERS

The CORNWELL "Concentric Type" Stud Remover and Insert is the most efficient tool on the market for this type of work. By CONCENTRIC we mean that the pull is applied to all sides of the stud at the same time, and therefore, does not have the tendency to twist the stud off as does the eccentric type tool. The clearance needed for the SMS-1016 Stud Remover does not exceed  $\frac{3}{8}$ " from the outside of the stud, and  $\frac{3}{4}$ " for the SMS-1828 Heavy Duty Stud Remover, which is very much less than is needed for the eccentric type tool.

Tool No.	Size	Tool No.	Size
SMA-10	$\frac{3}{16}$ "	SMA-14	$\frac{7}{16}$ "
SMA-12	$\frac{3}{8}$ "	SMA-16	$\frac{1}{2}$ "

SMS-1016—Shell for the above adaptors

SMK-1016—Set as listed above, Tools only.

SMK-1016B—Box only.

SMK-1016S—Complete Set, Tools and Box.

### HEAVY DUTY STUD REMOVER

Tool No.	Size Adaptor	Tool No.	Size Adaptor
SMA-18	$\frac{9}{16}$ "	SMA-24	$\frac{3}{4}$ "
SMA-20	$\frac{3}{8}$ "	SMA-28	$\frac{7}{8}$ "

SMS-1828—Heavy Duty Shell for the above adaptors.

SMK-1829—Hy Duty Set consists of Shell,  $\frac{9}{16}$ ",  $\frac{3}{8}$ " and  $\frac{3}{4}$ " Adaptors.

SMK-1824B—Metal Box only.

SMK-1824S—Complete Set, Tools and Box.

### OXY-ACETYLENE TORCH LEADING TIP

A new idea for every automobile body shop. Uses no oxygen from tank, taking its oxygen from the air. Produces a wider, longer, cooler flame more ideally suited for melting lead. Fits any standard welding tip—saves time changing tips.

Tool No.	Weight
LT-106	4 oz.

Oxy-Acetylene Torch Leading Tip

### STUD SETTER

Replaces Studs with Impact Wrench, Speeder Flex or Ratchet Handles. Tighten Studs accurately with a Torque Wrench. Will not mar or scratch a new Stud.  $\frac{1}{2}$ " Square Drive.

Tool No.	Size	Thread	Weight
SS-201-1	$\frac{3}{16}$ "	24 N F Thread R H	4 oz.
SS-201-2	$\frac{3}{8}$ "	24 N F Thread R H	6 oz.
SS-201-3	$\frac{7}{16}$ "	20 N F Thread R H	8 oz.
SS-201-4	$\frac{1}{2}$ "	20 N F Thread R H	10 oz.

### CLUTCH ALIGNING TOOL

The clutch disc and pressure plate must be centralized and in perfect alignment with the pilot bearing in the flywheel to assure perfect performance. Therefore it is very essential that proper pilots are used when assembling the clutch—pilots which are machined true and heat treated to assure long service. One tool—nine pilots, providing diameters from .375 to .984. Bright nickel finish.

Tool No.	Weight
CA-10	1 Lb. 12 oz.

### RING GROOVE CLEANER

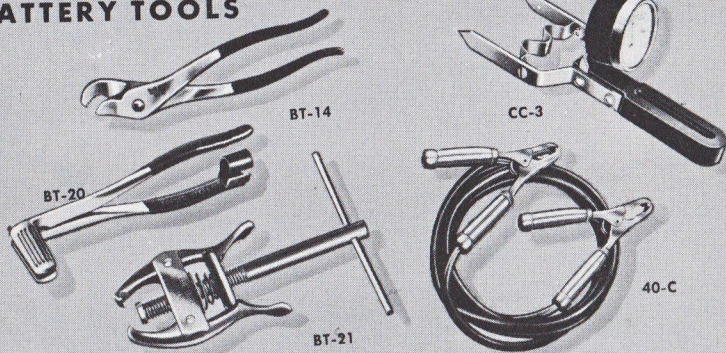
Removes carbon from ring grooves on pistons from smallest to 5 inches.

Does not chatter, gouge, catch in oil holes or jump or climb out of grooves. Compensating spring controls pressure on cutter. Rigid frame prevents side play of cutter. Cutter wheel includes  $\frac{3}{32}$ ",  $\frac{1}{8}$ ",  $\frac{3}{32}$ " and  $\frac{1}{16}$ " blades.

Tool No.	Weight
RG-570	8 oz.

Ring Groove Cleaner

## BATTERY TOOLS



### HEX NUT PLIER AND POST CLEANER

A self-locking plier that will not slip and cause damage to battery! Its super-leverage overcomes the most stubborn nut. Also serves as a general purpose nut wrench especially adaptable for brake nut adjusting. Attached post cleaner insures perfect contact and stops energy loss.

#### Tool No.

BT-14      7 1/2" Long      Wt. 9 oz.

### CLAMP SPREADER AND CLEANER

A quick, easy and efficient way to spread and clean terminal clamps after removal from post in one operation and without distortion.

#### Tool No.

BT-20      7 1/2" Long      Wt. 11 oz.

### UNIVERSAL CLAMP LIFTER

A super-powerful tool designed and guaranteed to remove the most badly corroded clamp. Grips from below if there's room—otherwise the sharp points of jaw engage sides of clamp with a vice-like grip. Double cam action. Simple operation—positive action. Packed in telescope box.

#### Tool No.

#### Weight

BT-21      10 oz.

### BATTERY TOOL SET (Not Illustrated)

Three popular battery tools packed in leatherette kit; the individual tools are shown above. A complete battery service to handle most any battery job. Consisting of BT-14, BT-20 and BT-21 in attractive plastic kit.

#### Tool No.

BT-3S—Set, Weight 3 lbs.  
BT-3K—Kit only

### BATTERY CELL TESTER

A simple, accurate and understandable battery tester. Locates weak or shorted cells instantly. Meter is center zero calibrated 0 to 2 volts. Individual battery cell condition is shown on colored scale which indicates—"CHARGE," "DISCHARGE," and "DEAD," together with actual cell voltage. Sturdily built... easy to use.

#### Tool No.

#### Weight

CC-3      Battery Cell Tester      1 lb.

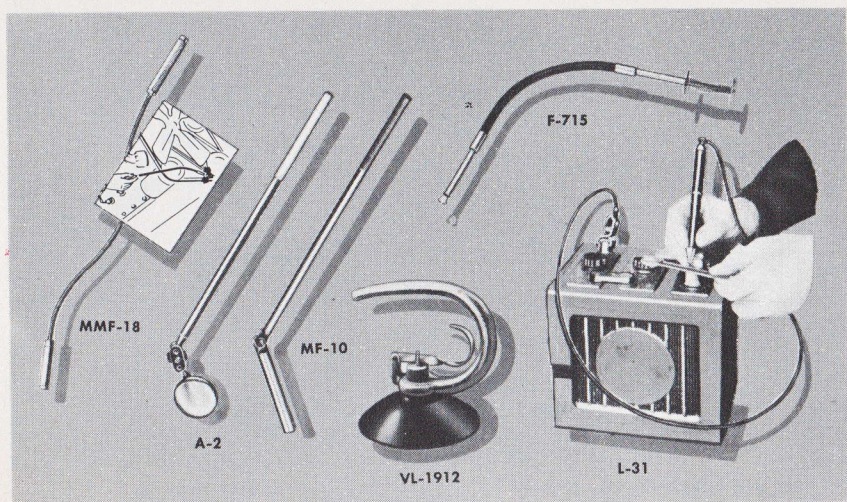
### BATTERY BOOSTER CABLE

This set includes two 10 foot long cables equipped on opposite ends with negative and positive copper, vinyl handled clamps. Vinyl handles are red for positive, and green for negative. Triprene insulated non-kink cables which resist grease, acid, oil and weather.

#### Tool No.

#### Weight

40-C      Booster Cable Set      3 lbs.



### ALL-ANGLE INSPECTION MIRRORS

Want to see around corners—get a 360 degree all-angle inspection mirror. Don't twist your neck, just a quick twist of the ball joint and you have another angle in clear view. Telescopic handle extensions on all mirrors. Comes in all sizes and shapes to meet all job conditions. Mirrors replaceable.

Tool No.	Mirror	Handle Extension
A-2	$\frac{7}{8}$ " Round	7 $\frac{1}{2}$ "
B-2	1" x 2" Oval	8 $\frac{1}{2}$ "
K-2	2 $\frac{1}{4}$ " x 3 $\frac{1}{2}$ " Rectangle	16 "

### MAGNETIC MAGIMMICK

Not a nut or bolt will pass you by when Magimmicks is on the job. Just let 'em roll—bolts, screws, small parts—Magimmick stretches its powerful magnetic arm and picks 'em up—no matter where, narrow places, cranks, tight spots—Magimmick gets in anywhere.

Tool No.		Extension Length
MF-5	Junior Magimmick	8 $\frac{1}{2}$ "
MF-10	Senior Magimmick	26 "
MF-10A	No. 10 Replacement	

### VACUUM LIFTER

A tool of many uses. Especially useful in handling sheet metal or glass. Amazing power. Made of oil resisting Neoprene.

Tool No.	Weight
VL-1912	14 oz.

### MAGNETIC NEW FLEX MAGGIE

A strong ALNICO Y magnet on a slender flexible shaft. Handle and magnetic shield highly polished, shaft cadmium plated. No mechanic will be without one once he finds how easy small parts are retrieved from otherwise inaccessible spots with this handy tool. Will reach valve keepers that accidentally drop in the crankcase. Or parts and tools in transmissions or differential, etc.

Tool No.		Length	Weight
MFF-18	New Flex Maggie	18"	10 oz.

### ELECTRIC MARKING PENCIL

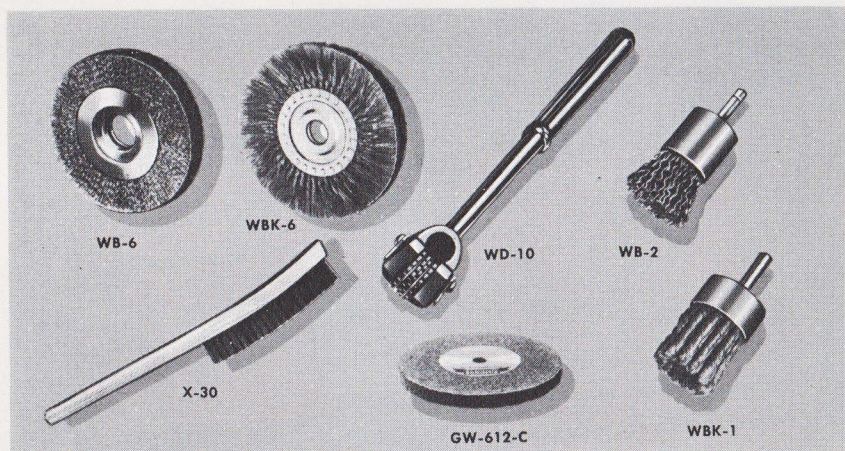
A handy and most useful Electric Marking Pencil for writing on any metal surface or marking identification on tools or other metal objects. Connect pencil to negative terminal of battery, using positive terminal for ground. With electric marking pencils of this type a dead short is effected causing extreme heat in pencil point for writing purposes.

Tool No.		Weight
L-31	Electric Marking Pencil	8 oz.
L-318	Transformer for marking pencil, 110-6 volt	2 lb. 6 oz.

### FLEXIBLE MECHANICAL FINGER

Extremely useful tool in limited working space. Used in "hard-to-get-at" spots, too small to insert the hand. Tool can be bent into many shapes such as a double "S" or at a double right angle and still retain full operation of the jaws. Fully flexible type—15" long with an 8" flexible section.

Tool No.		Length	Weight
F-715	Flexible Mechanical Finger	15"	2 $\frac{1}{4}$ lbs.



### HAND WIRE BRUSH

Wire Brush with Screw Eye attached. First grade brush with long curved handle that prevents injury to operator's hand. Ideal for cleaning dirt, dust and other foreign matter from rims and wire wheels.

Tool No.	Length	Weight
X-30	14"	1 lb. 2 oz.

### CORNWELL WIRE WHEEL BRUSHES

Heavy Duty Brushes at a standard price. Excellent workmanship and finest material. Provide exceptional performance and extra long life. All furnished with 1/2" hole Adaptors.

Tool No.	Diameter	Weight
WB-4	4"	8 oz.
WB-6	6"	12 oz.

### KNOTTED WIRE WHEEL BRUSH

Tool No.	Diameter	Weight
WBK-6	6"	14 oz.

### WIRE END BRUSHES

Heavy Duty. 1/4" diameter spindle shank.

Tool No.		Weight
WB-2	Crimped End	2 oz.
WBK-1	Knotted End	2 oz.

### ABRASIVE GRINDING WHEELS

These wheels are made from natural aluminous oxide abrasive . . . fully vitrified—giving you the finest, best cutting wheels you ever used. All 60 Grit wheels are grade "M" for fine general purpose work. All 36 Grit wheels are grade "O" which is a harder grade and better for heavier and rougher grinding.

Tool No.	Diameter	Width	Arbor	Grit
GW-612C	6"	1/2"	1/2"	36
GW-612M	6"	1/2"	1/2"	60
GW-634C	6"	3/4"	1/2"	36
GW-634M	6"	3/4"	1/2"	60

### GRINDING WHEEL DRESSER AND CUTTER

The sturdy handle of this tool provides a grip that really fits the hand. The cap is designed to serve directly as the upper clamp for the Spindle Bearing and the entire assembly. Each set of cutters is provided with a sleeve which eliminates spindle wear. Cutters are milled and have uniform sharp teeth, and are heat treated to insure maximum resistance to wear. They retain their sharp edge until completely worn out.

Tool No.
WD-10—Grinding Wheel Dresser

## Cornwell TOOL BOXES



SK-24

### SK-24 DELUXE TOOL CHEST

A real utility tool chest to meet the demands of the most exacting user. Carefully designed and skillfully engineered and made in the well-known Cornwell heavy gauge metal construction. Six roomy drawers—easy sliding—non spilling. Features a built in three point locking system fastening in center and both sides making the box virtually burglar-proof.

Weight.....61 Lbs.

Weight Packed...68 Lbs.

Packing.....One Chest per Carton

Size.....26" x 12" x 14½"

Finish.....Red Smooth Enamel

No. of Drawers...6

Two Top Small

Drawers, size...17½" High x 4½" Wide x 10½" Deep

One Top Middle

Drawer, size...17½" High x 11½" Wide x 10½" Deep

2nd Drawer, size...17½" High x 23" Wide x 10½" Deep

3rd Drawer, size...17½" High x 23" Wide x 10½" Deep

4th Drawer, size...27½" High x 23" Wide x 10½" Deep

Tote Tray.....18½" x 7¾"

Tool No.

SK-24—DeLuxe Tool Chest



SK-252



SK-352

### SK-252 TOOL BOX

Heavy duty three drawer mechanic's box. Cover fits flush with box. Complete with tote tray. All drawers move easily on strong compound slides. Safety lock fastens in three places. Furnished with two keys.

Weight.....33 lbs.

Weight per carton.....37½ lbs.

Size box.....10" x 10½" x 22½"

Finish.....Red Smooth Enamel

Size tote tray.....2" x 7¾" x 8¾"

Size drawers.....1¾" x 8½" x 20"

Tool No.

SK-352—Tool Box

### SK-352 TOOL BOX

Heavy duty two drawer mechanic's box. Cover fits flush with box. Complete with tote tray. All drawers move easily on strong compound slides. Furnished with two keys.

Weight.....30½ lbs.

Weight packed.....35 lbs.

Size box.....10" x 10½" x 22½"

Finish.....Red Smooth Enamel

Size tote tray.....2" x 7¾" x 8¾"

Size top drawer.....2½" x 8½" x 20"

Size bottom drawer.....3½" x 8½" x 20"

Tool No.

SK-252—Tool Box

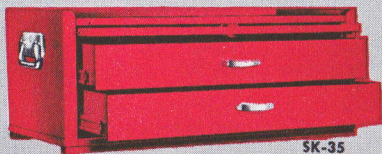
## Cornwell TOOL BOXES



SK-22



JL-17



SK-35



SK-535

### JL-17 MECHANIC'S BOX

"The Standard." A heavy duty mechanic's box for all purposes. Full length lift-out tote tray with three compartments and heavy, non-slip tubular handle. Electronically spot-welded seams.

Weight.....11 lbs.  
Weight Per Carton.....12½ lbs.  
Size Box.....20" x 8½" x 9½"  
Packing.....1 Box to a Carton  
Finish.....Red Smooth Enamel  
Handle.....Polished Cast Aluminum  
No. Trays.....1 Tote Tray 3 Compartments  
Hinges.....One Full Length Piano Type

Tool No. JL-17 Mechanic's Box

### SK-35 AUXILIARY BOX

This box serves as an auxiliary box to the SK-24 and TC-65 for additional capacity. May also be used as a single unit. Also features three point locking system.

Weight.....31 lbs.  
Weight Packed.....37 lbs.  
Packing.....1 Chest per carton  
Size.....26½" x 12¼" x 10½"  
Finish.....Red Smooth Enamel  
No. Drawers.....2  
Top Drawer—Size.....23½" x 11½" x 3"  
Bottom Drawer—Size.....23½" x 11½" x 3"  
Tool No. SK-35 Auxiliary Box

### SK-535 CUSTOM CHEST

Designed for the mechanic, who needs an extra large chest to accommodate all of his tools. Fitted with Chrome drawer pulls. Three point locking system. Two cover stops.

Can be used with TC-65 and TC-85 as a complete unit. Extra heavy construction insures many years of service.

Weight.....97 lbs.  
Weight Packed.....105 lbs.  
Packing.....One Chest per Crtn.  
Size.....26½" x 15¾" x 17¾"  
No. of Drawers.....10  
Top Drawer.....14½" x 5½" x 5¾"  
Six Drawers.....14½" x 7½" x 1¾"  
Two Drawers.....14½" x 22½" x 1½"  
Bottom Drawer.....14½" x 22½" x 2¾"  
Finish.....Red Smooth Enamel

Tool No. SK-535 Custom Chest

### SK-22 GABLE TOP TOOL BOX

The box designed for the mechanic to carry his tools from bench to the job. Full length lift out tote tray with socket compartment. Two full length piano hinges. Two draw bolts and hasp and staples for locking.

Weight.....8½"  
Weight Per Carton.....10 lbs.  
Size Box.....19" x 7" x 9"  
Packing.....1 Box to a Carton  
Finish.....Red Smooth Enamel  
Handle.....Polished Cast Aluminum  
No. Trays.....1 Tote Tray 2 Compartments  
Hinges.....Two Full Length Piano Type

Tool No. SK-22 Gable Top Tool Box

## Master DeLuxe Tool Cabinet



TC-65

### TC-65 MASTER DELUXE ROLLAWAY CABINET

The finest of rollaway cabinets. Made from heavy-gauge steel and designed for years of trouble-free usage. This unit gives the mechanic everything needed in the way of storage for complete tool equipment including drills and other power equipment. Also a handy place for work clothes.

Three roomy drawers mounted on roller slides for effortless operation. Large storage space on bottom.

Entire unit is mounted on smooth operating casters insuring maximum mobility.

Features a built in three point locking system making the entire unit virtually burglar proof. When the unit is opened the front panels slip back into the cabinet and cannot be misplaced or damaged.

Weight . . . . . 97 Lbs.

Weight Packed . . . 110 Lbs.

Packing . . . . . One Cabinet per carton

Size . . . . . 26 1/2" x 18" x 32"

Finish . . . . . Red smooth enamel

Number of Drawers . 3

Top Drawer size . . . 3 1/2" High x 21" Wide x 16 1/2" Deep

Second Drawer size . 3 1/2" High x 21" Wide x 16 1/2" Deep

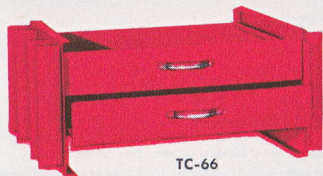
Third Drawer size . . 3 1/2" High x 21" Wide x 16 1/2" Deep

Bottom Compartment size . . . . . 8 3/4" x 22 1/4" x 17 1/2"

#### Tool No.

TC-65—Master DeLuxe Rollaway Cabinet.

### AUXILIARY DRAWER



TC-66

A two-drawer auxiliary unit specifically designed to provide additional drawers to fit snugly and easily into the bottom open section of TC-65 cabinet as illustrated above. Made from the same heavy gauge material as the TC-65 and equipped with the same easy roller slides.

Weight Packed . . . . . 20 Lbs.

Weight Unpacked . . . . . 16 Lbs.

Size of Drawers . . . . . 3 1/2" x 21" x 16 1/2"

#### Tool No.

TC-66 Auxiliary Drawer

### ADJUSTABLE DRAWER DIVIDER SET



SK-24-1

A strong and sturdy drawer divider set for partitioning tool cabinet drawers. Adjustable slides for quick and easy arrangement of drawer into small compartments. Quickly and easily installed.

#### Tool No.

#### Weight

TC-65-2—Adjustable Divider Set for TC-65. 4 lbs.

SK-24-1—Adjustable Drawer Divider Set, for SK-24 4 lbs.

## Custom Roller Cabinet

The Finest! Designed for the mechanic who wants only the best. A strong and sturdy rolling tool cabinet finished in RED. The heavy steel top has a black crinkle finish and is equipped with two side pieces for racking valves, screw drivers and small tools. A matching chrome plated flexible gooseneck light with a double receptacle outlet completes this Master's Cabinet and work bench. The 39" top height is ideal for comfortable bench work. Five smooth running drawers with chrome handles are mounted on rollers and, coupled with the large bulk storage area below, make this YOUR rolling shop. Folding disappearing front panel is equipped with finest integral lock and the appearance, open or closed, the realization of your dreams.



Weight.....	120 lbs.
Weight Packed.....	135 lbs.
Packing.....	1 Cabinet per carton
Size.....	38" x 27 1/2" x 18 1/8"
Top Dimensions (including end rack).....	36" x 19"
Bottom Compartment.....	15 3/4" x 27 1/2" x 18"
(Virtually 4 cubic feet)	
No. Drawers.....	5
Top Drawer—Size.....	1 1/4" x 20 7/8" x 16 3/4"
3 Drawers—Size.....	2" x 20 7/8" x 16 3/4"
Bottom Drawer—Size.....	3 1/2" x 20 7/8" x 16 3/4"
Finish.....	Red Smooth Enamel

### CASTER EQUIPMENT

Standard equipment consists of four 4" diameter hard rubber wheels. These are swivelling casters and two of them are equipped with brakes.

Order No.

TC-85

Complete with removable top and light.

TC-85C

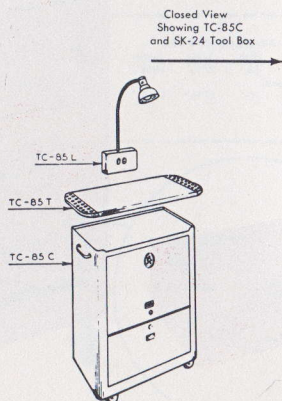
Cabinet only, less top and light.

TC-85L

Electric Light Assembly only.

TC-85T

Cabinet top only, in Black Wrinkle finish, including valve rack extensions.



Closed View  
Showing TC-85C  
and SK-24 Tool Box



## The "Sovereign"

### DeLuxe Tool Cabinet and Box Assembly

The distinguished "Sovereign" with its beautifully styled and streamlined custom-built features and its sturdy and rugged construction, makes it the cabinet supreme.

To the Master Craftsman whose instinct is to seek the finest of tools available, will find in the "Sovereign," not only beauty, but also a safeguard and protection for his valued tools and a great help in the efficiency of his work.

The completely new SK-535 Cabinet together with the ever popular TC-85 Roll-a-way, comprise the answer to the mechanic's dreams. The addition of the TC-583 four-drawer Insert, makes it possible for him to have the complete "Sovereign." The folding disappearing front panel of both units is equipped with the finest integral lock, making an attractive appearance, open or closed.

#### SK-535

	High	Wide	Deep
Overall	18"	26"	16"
6 Drawers	1 1/4"	8"	14 3/4"
1 Drawer	5 1/2"	5"	14 3/4"
2 Drawers	1 3/4"	22 3/4"	14 3/4"
1 Drawer	2 3/4"	22 3/4"	14 3/4"



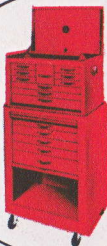
#### TC-85C

	High	Wide	Deep
Overall	39"	27 1/2"	18 1/2"
1 Drawer	1 1/4"	20 3/4"	16 3/4"
3 Drawers	2"	20 3/4"	16 3/4"
1 Drawer	3 1/4"	20 3/4"	16 3/4"
Bulk Stor.	15 3/4"	27 1/2"	18"



#### TC-85-C and SK-535

	High	Wide	Deep
Overall	56"	27 1/2"	18 1/2"
(Cover Closed)			
Overall	70"	27 1/2"	18 1/2"
(Cover Up)			



#### TC-583

	High	Wide	Deep
1 Drawer	1"	20 3/4"	16 3/4"
2 Drawers	2"	20 3/4"	16 3/4"
1 Drawer	3 1/2"	20 3/4"	16 3/4"



## INDEX

Name	Page No.	Name	Page No.
Acetylene Torch Tips.....	118	Flaring & Cutting Tools.....	94, 95
Adaptors, Socket.....	7, 9, 14, 15, 19, 21, 27, 54	Flare Nut Wrenches, Combination.....	28
All-Power Piston & Valve Tools.....	84	Flexible Finger.....	120
Angle Nose Pliers.....	63	Float & Unloader Gauges.....	88
Angle Wrenches and Sets.....	23	Fly Wheel Turner.....	105
Aviation Snips.....	59	Ford Valve Assembler, Knock-out.....	84
Awl, Scratch.....	45, 57	Ford Valve Guide Lock Remover.....	82
Axle Retreading Die.....	116	Ford V-8 Valve Lifter.....	82
Ball Pein Hammers.....	57, 70	Gapping Tool.....	67
Band Adjusting Tools.....	80, 81	Gasket Punch Sets.....	112
Battery Booster Cable.....	119	Gauges, Screw Pitch.....	115
Battery Clamp Spreader.....	119	Grinding Wheels, Abrasive.....	121
Battery Pliers.....	58, 62	Grinding Wheel Dresser & Cutter.....	121
Battery Tools.....	119	Guide Die Stocks, Adjustable.....	115
Blacksmith's Hammer.....	70	Hammers & Handles.....	57, 70
Body & Fender Tools.....	106 to 111	Handles, Screw Driver.....	57
Body Tool Set, Auto.....	117	High Speed Drills.....	71
Box Wrenches & Sets.....	24, 25	Hog Ring Pliers.....	59
Box Wrenches, Ratcheting.....	67	Hole Saws.....	79
Brake Cylinder Hone.....	94, 101	Hose Clamp Pliers.....	64
Brake Pliers.....	105	Horseshoe Pliers, Long.....	59
Brake Tools.....	45	Hub Cap & Grease Remover.....	105
Brushes, Wire.....	121	Hydraulic Transmission Tools.....	81
Bumping Files.....	110	Ignition Tools.....	58, 59, 89
Bushing Puller & Driver Set.....	112	Ignition Wrenches.....	30
Bushing Tools.....	99, 100	Ignition Pliers.....	58, 89
Carbon Scrapers.....	45, 105	Impact Wrench Set.....	112
Carburetor Gauges.....	88	King Bolt Reamer Bushing Sets.....	100
Chisels & Sets.....	41	Knife, Shop.....	57
Chain Cutters & Repair Tools.....	113	Light, Extension Trouble.....	104
Channellock Pliers.....	60 to 63	Lighter, Round File.....	104
Clutch Aligning Tool.....	118	Little Champ Pliers.....	63
Combination Wrenches & Sets.....	26, 27, 28	Little Shorty Valve Grinder.....	82
Compression Testers.....	90, 91	Long Nose Pliers.....	62
Cotter Pin Puller.....	45	Magnetic Magmimicks.....	120
Creepers & Sets, Swirl.....	105	Magnetic Screw Drivers.....	56
Cutter, End.....	62	Mallet, Rubber.....	70
Cylinder Resurfacing Tool.....	94	Marking Pencil, Electric.....	120
Deglazing Tool.....	94	Masterench.....	66
Diagonal Pliers.....	58 to 62	Metal Cutting Snips.....	59
Door Spring Removers.....	64, 110	Metering Gauges.....	88
Drills, High Speed.....	71	Micrometers.....	115
Duckbill Pliers.....	58, 61	Mirrors, Inspection.....	120
Electrician's Pliers.....	58, 63	Motorphone.....	93
End Cutter.....	62	Multi-Plier.....	64
Engineer's Hammer.....	70	Nail & Tack Puller.....	117
Extension Trouble Light.....	104	Needle Nose Pliers.....	58, 61
Feeler Gauges.....	86, 87	Nut Drivers.....	67
Files.....	104	Nolvex File Blades & Holders.....	111
File Holder, Adjustable.....	110	Oilers.....	103
Files, Point.....	89		

## INDEX

Name	Page No.	Name	Page No.
Oil, Reamer.....	102	Socket Racks.....	105
Open End Wrenches & Sets.....	29	Socket Sets.....	7, 11, 12, 16, 17, 20, 21, 35
Piston Groove Cleaners.....	84	Sockets & Sets, Power.....	35
Piston Pin Extraction Tools.....	83	Sockets, Special.....	22
Piston Tools.....	82 to 85	Soldering Irons.....	104
Phillips Screw Drivers.....	52	Solder Paddle Set.....	110
Pinch & Lining Up Bar.....	43	Spark Plug Gapping Tool.....	67
Pipe Wrench.....	66	Special Wrenches.....	31, 32
Pliers.....	58 to 64 & 89	Spreader & Removal Tools.....	45
Pliers, Ignition.....	89	Spring Tester.....	68
Point Contact Aligner.....	89	Stud Removers.....	118
Point Files.....	89	Surfacer, Dandy Rubber Block.....	89
Power Sockets & Sets.....	35 to 39	Tack & Nail Puller.....	117
Pry Bars.....	43	Tap Wrenches.....	115
Pullers & Attachments.....	72 to 78	Tap & Die Sets.....	114
Punch & Chisel Sets.....	40, 42	Tappet Adjusting Screw Driver.....	56
Punch Set, Gasket.....	40, 112	Tappet Wrenches.....	30
Pyralin Tipped Hammer.....	70	Tester, Battery Cell.....	119
Ratchets.....	46, 47, 67	Testing Equipment.....	90 to 93
Ratchet, Palm Grip.....	67	Tester, Spring.....	68
Ratcheting Box Wrenches.....	67	Thread Restorers.....	116
Reamers & Pilots.....	96 to 102	Timing Lights.....	92, 93
Reed Prince Screw Drivers.....	52	Tool Boxes & Chests.....	122 to 125
Remote Starting Switch.....	92	Tool Sets.....	33, 34
Rethreader Die Sets.....	117	Torque Wrenches.....	68, 69
Ridge Reamers.....	84	Trouble Light, Extension.....	104
Ring Compressors.....	85	Transmission Gauge, Automatic.....	92
Ring Groove Cleaner.....	118	Transmission Tools, Automatic.....	80-81
Rochester Carburetor Gauges.....	88	Tube Benders.....	95
Saws & Blades, Hack.....	79	Tube Cutters.....	95
Scratch Awl.....	45, 57	Vacuum Lifter.....	120
Screw Driver Bits, Assemblies.....	54, 55	Vacuum Fuel Pump Tester.....	92
Screw Drivers, Clutch Head.....	52, 56	Valve Grinder, Cornwell.....	82
Screw Drivers, Flexible.....	51	Valve Guide Reamers.....	98
Screw Drivers, Hand.....	50	Valve Guide Cleaners.....	82
Screw Driver Handles.....	57	Valve Lifters.....	82, 83
Screw Drivers, Offset.....	50, 51	Valve & Piston Tools.....	44 and 82 to 85
Screw Drivers, Phillips.....	52-56	Valve Key Replacer.....	84
Screw Drivers for slotted screws.....	51	Valve Seat Restorers.....	102
Screw Drivers for Socket Head Screws.....	53	Valve Spring Compressor Adaptor.....	83
Screw Drivers for Spark Detecting.....	57	Valve Seat Reseaters.....	102
Screw Drivers, Special Type.....	56	Vise Grip Pliers.....	65
Screw Extractors & Sets.....	43, 117	Welding Clamp, Vise Grip.....	65
Screw Starters.....	51	Wrenches.....	24, 27, 28, 29, 32, & 65 to 68
Screw Specifications.....	48, 49	Wrenches, Adjustable.....	66
Shop Knife.....	57	Wrench Sets.....	25 & 27 to 30
Sheet Metal Tool, Vise Grip.....	65	Wrenches, Vise Grip.....	65
Slip Joint Pliers.....	58 to 63	Wire Brushes.....	121
Snap Ring Master Pliers.....	59	Wire Stripper.....	65
Sockets, Handles & Attachments, 1/4" to 1" Sq. Dr.....	6 to 22	Wire Tester.....	93
Sockets & Attachments, Power.....	37		
Socket Head Screws, Screw Driver.....	53		



